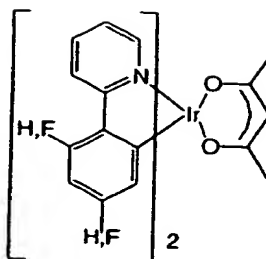


(a)



(b) F, (c) H

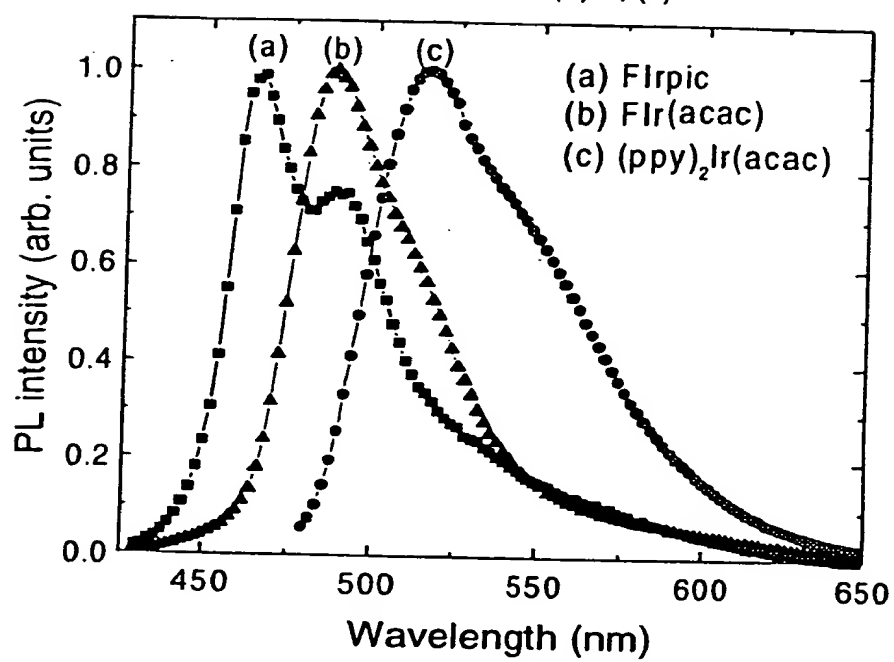


Figure 1a: C. Adachi, et. al.

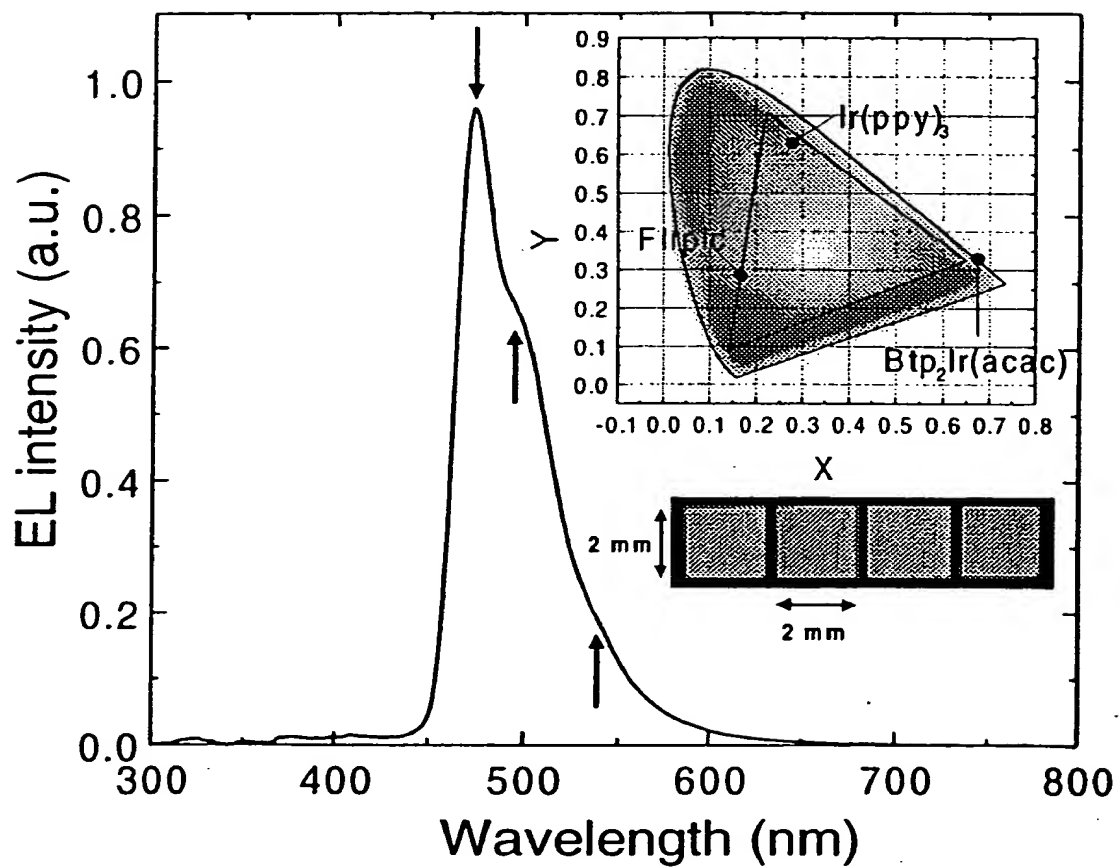


Figure 1b: C. Adachi, et. al.

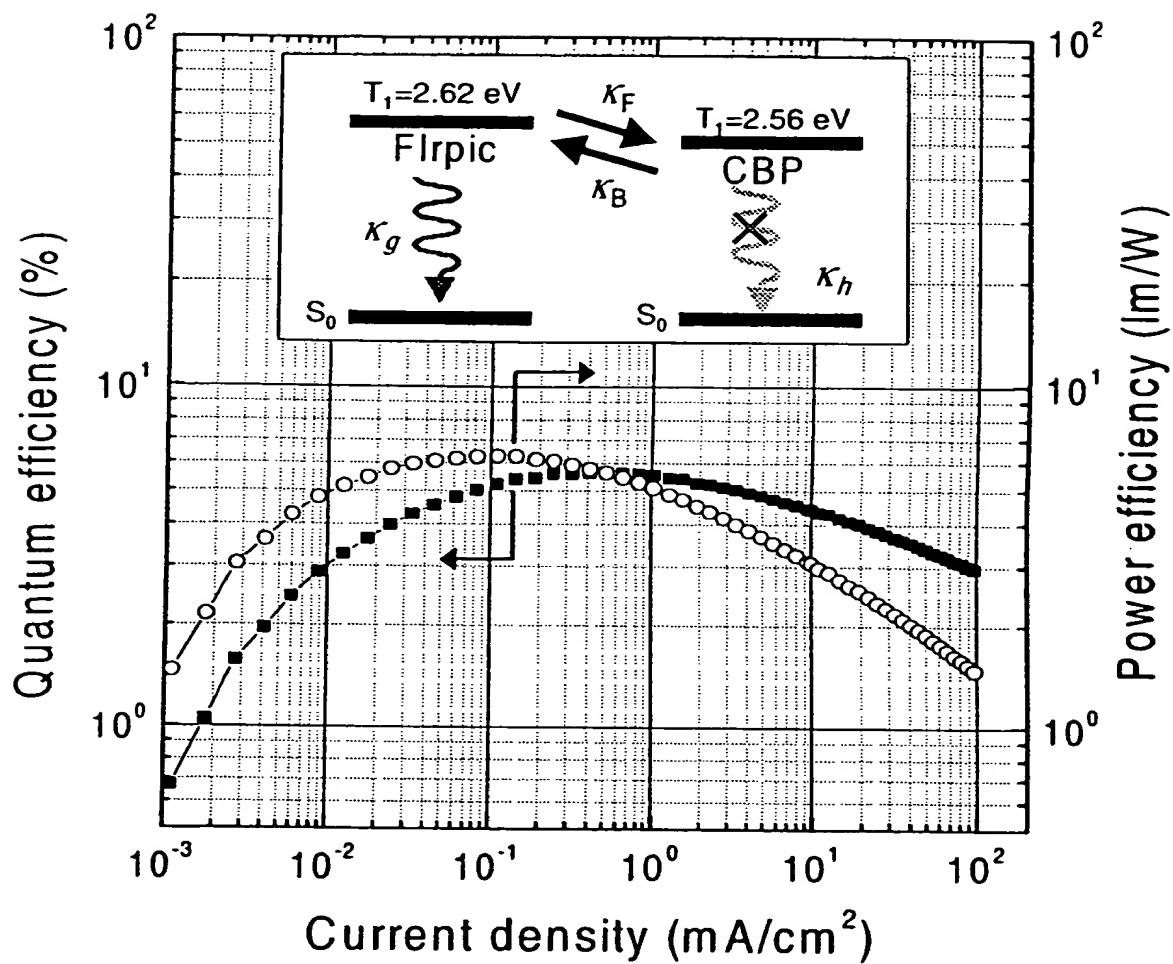


Figure 2: C. Adachi, et.al.

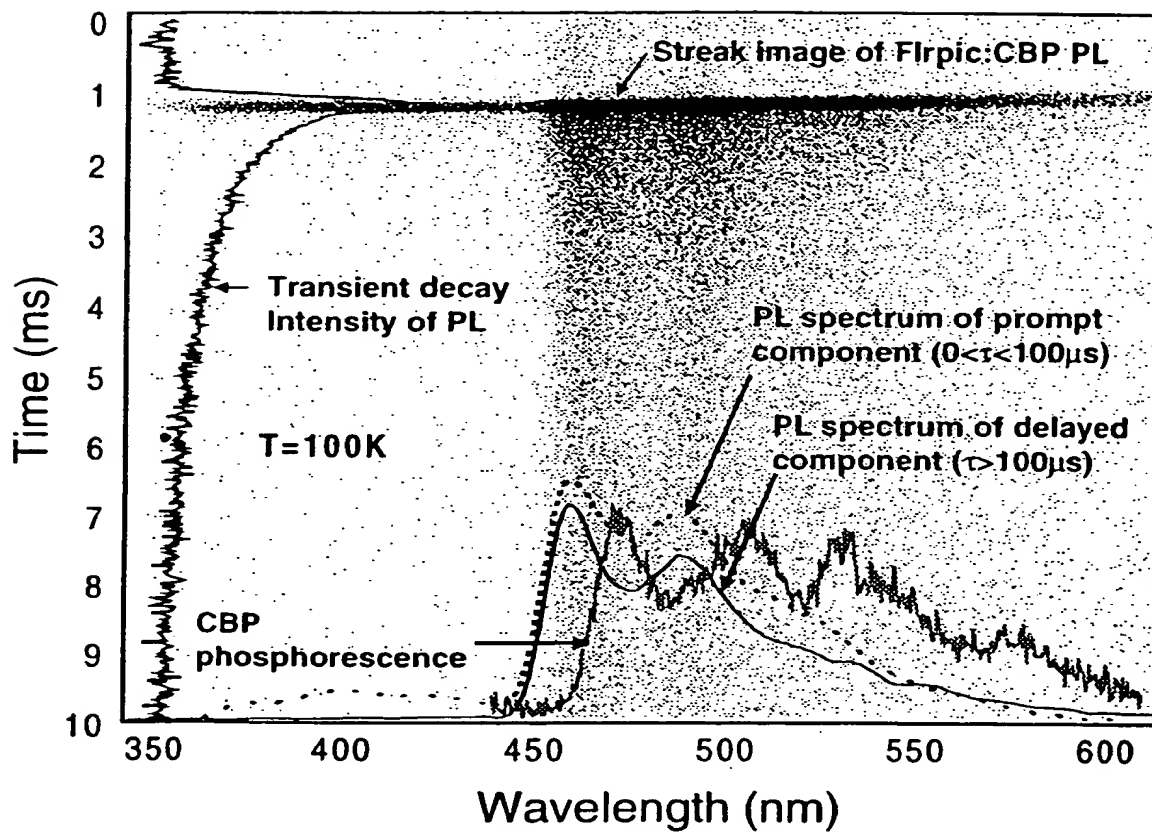


Figure 3: C. Adachi, et. al.

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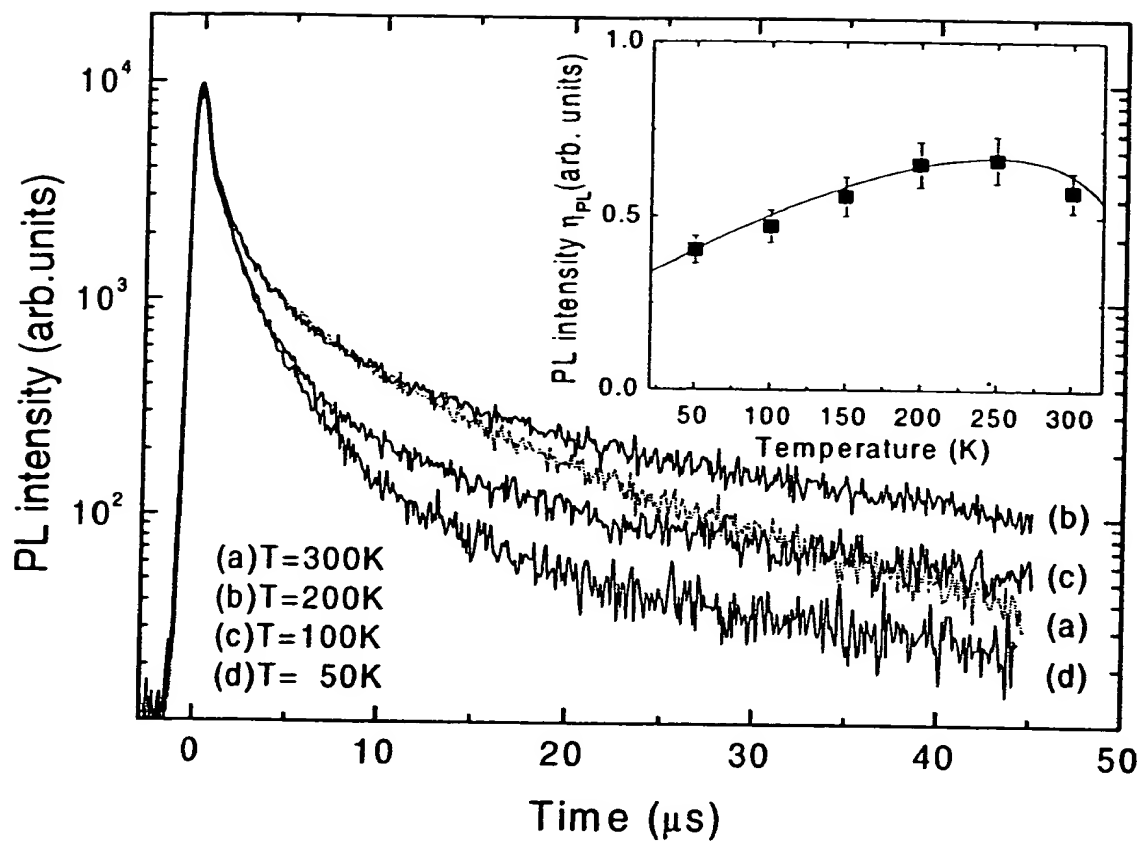


Figure 4: C. Adachi, et.al.

Figure 5a

Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I

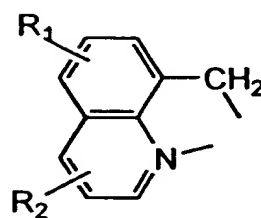
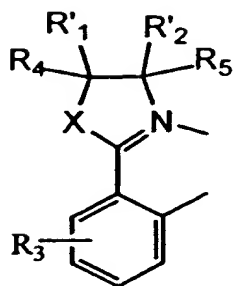
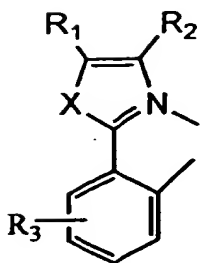
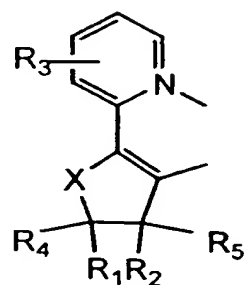
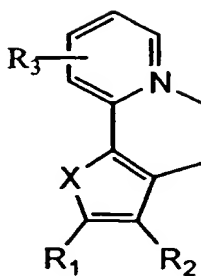
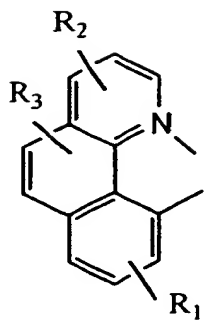
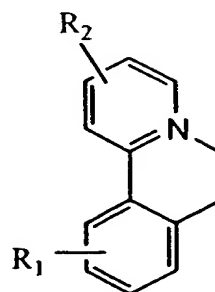
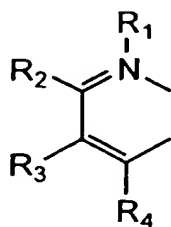


Figure 5b

Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-II

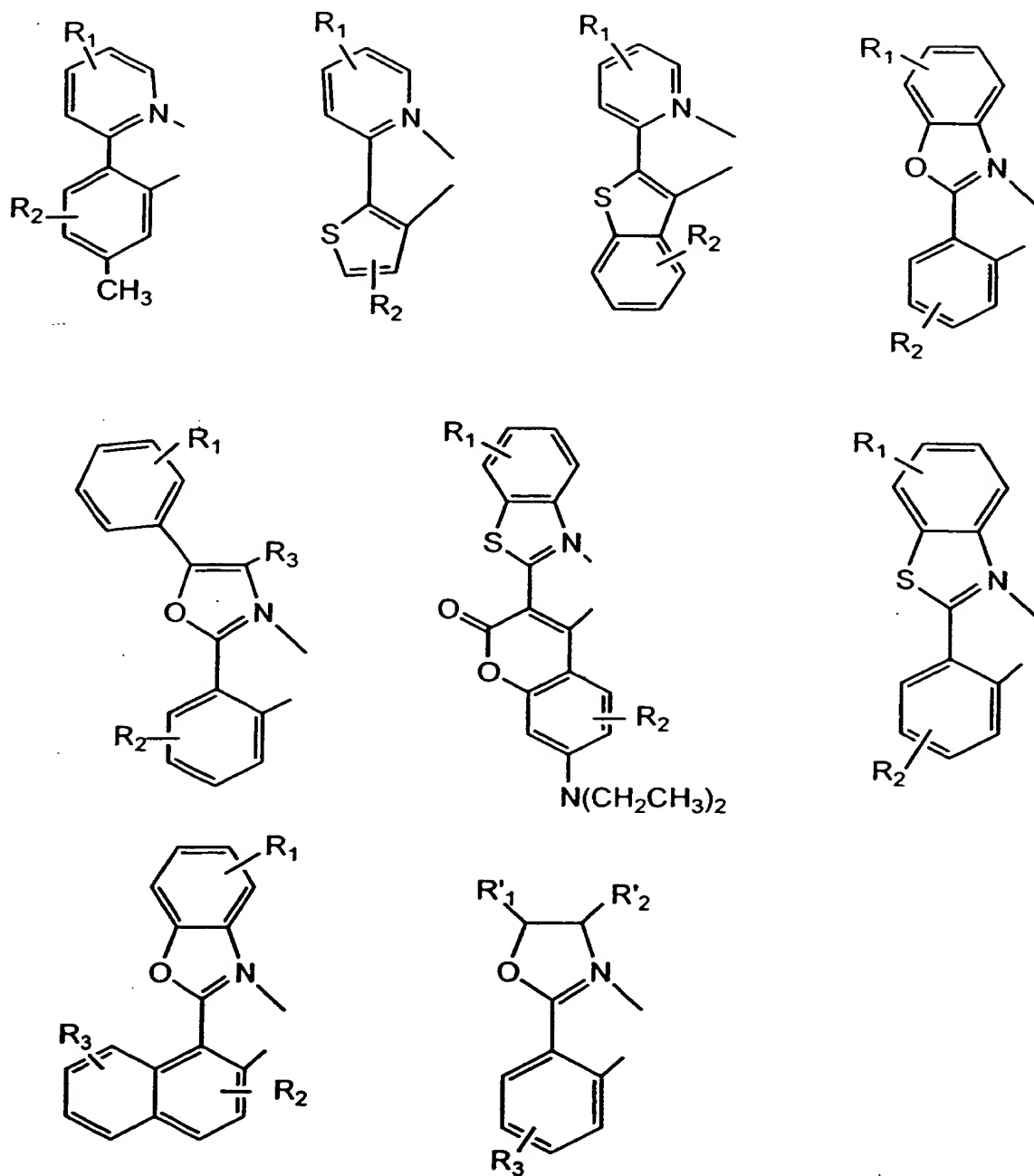


Figure 5c

Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-III

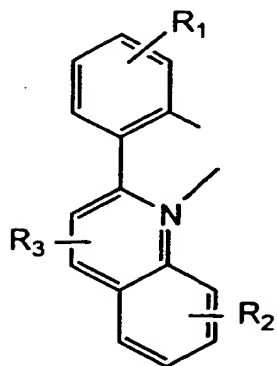
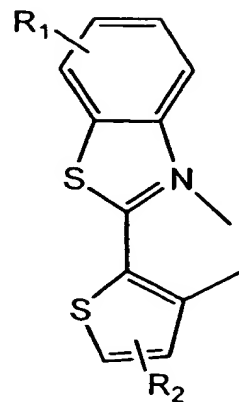
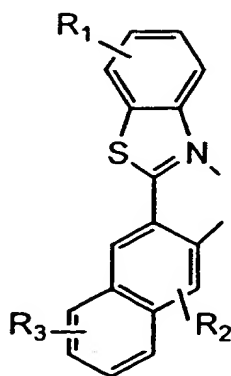
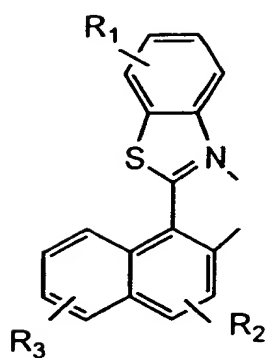
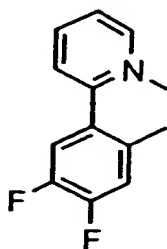
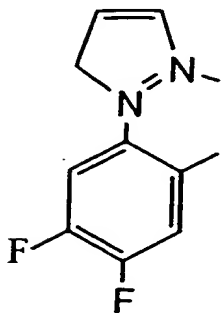


Figure 5d

Specific Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I



UDC Proprietary and Confidential



Figure 6a

Generic Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I

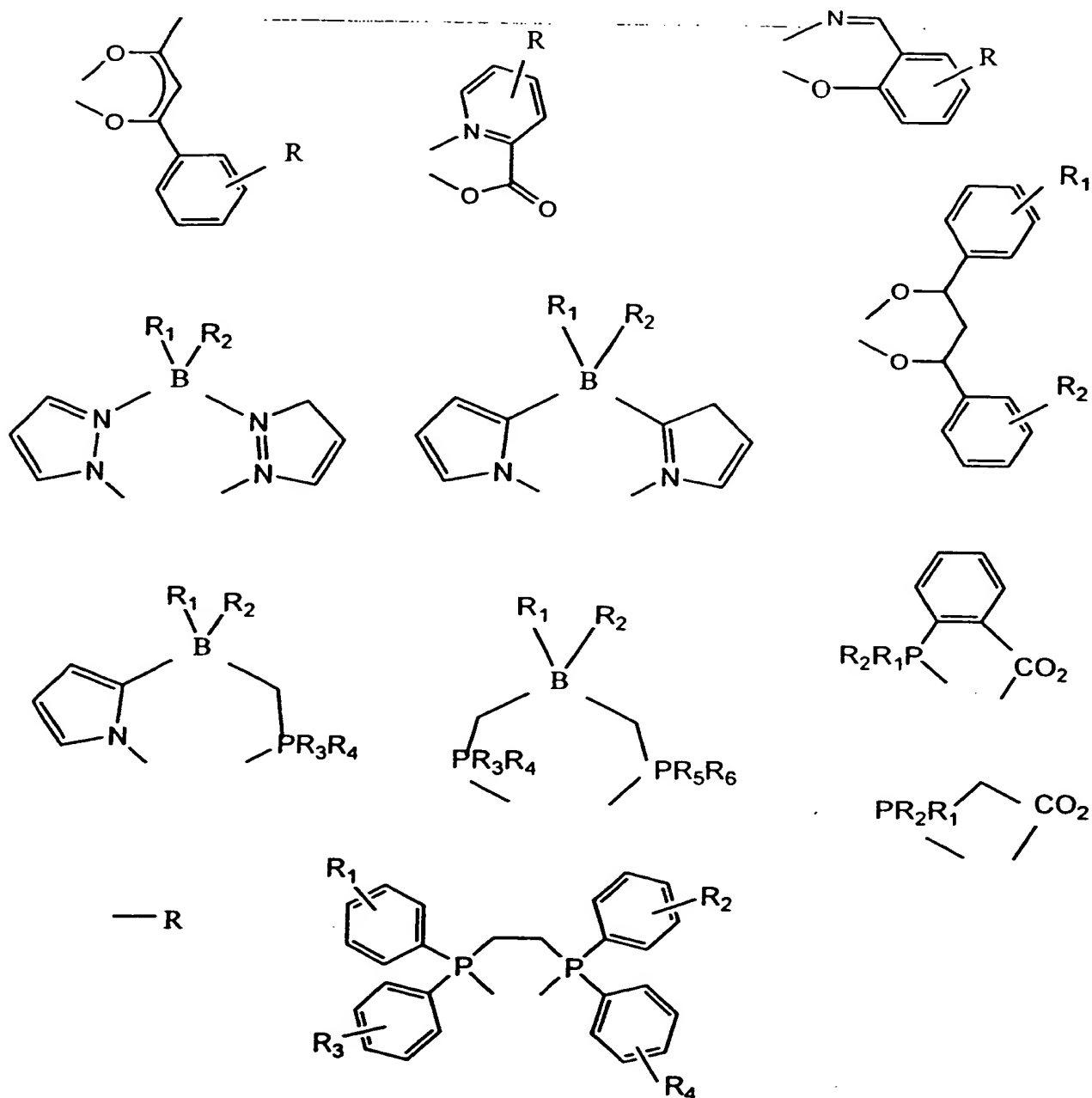


Figure 6b

Generic Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands-II

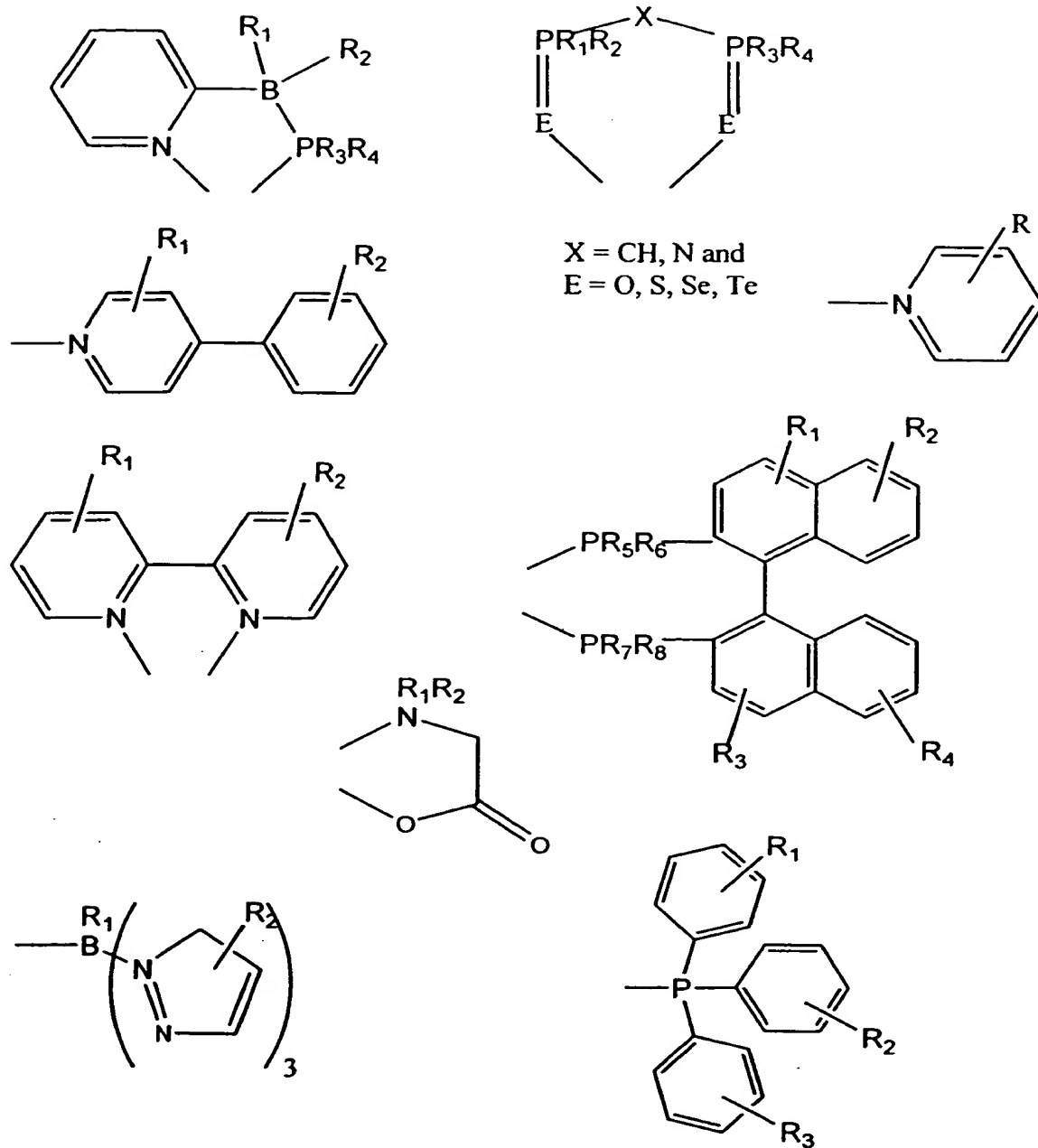
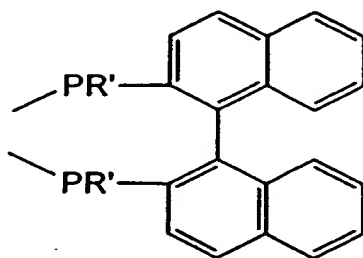
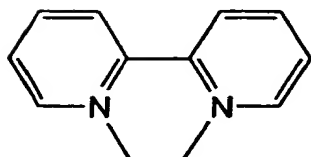
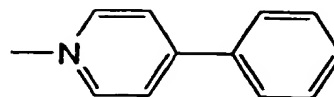
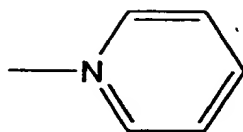
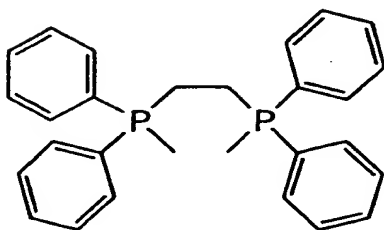
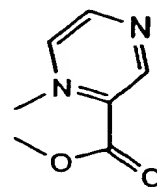
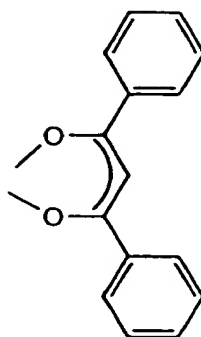
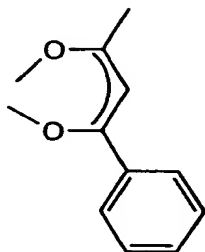
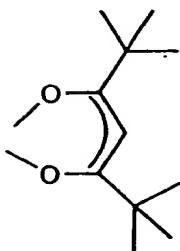
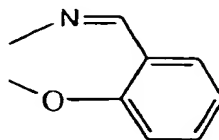
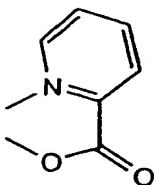
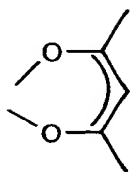


Figure 6c

Specific Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands



R' = p-tolyl

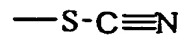
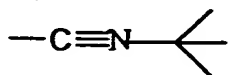
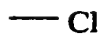
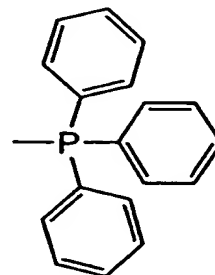
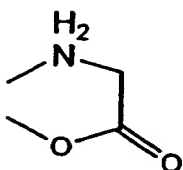
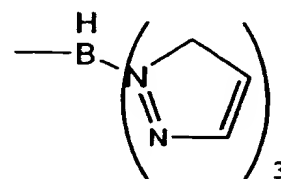
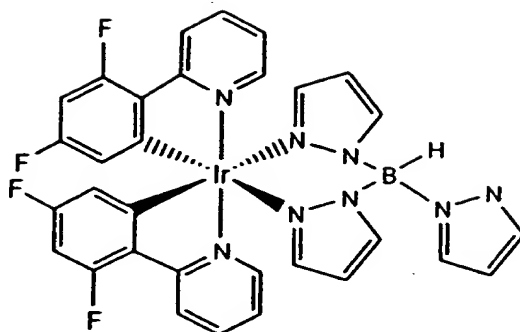
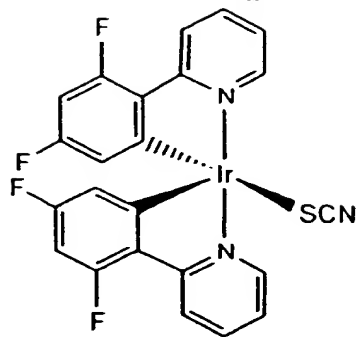
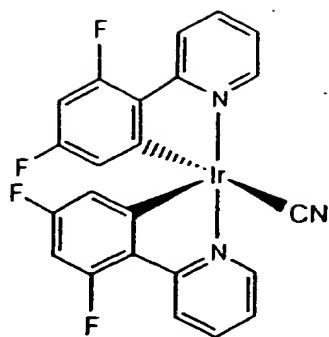
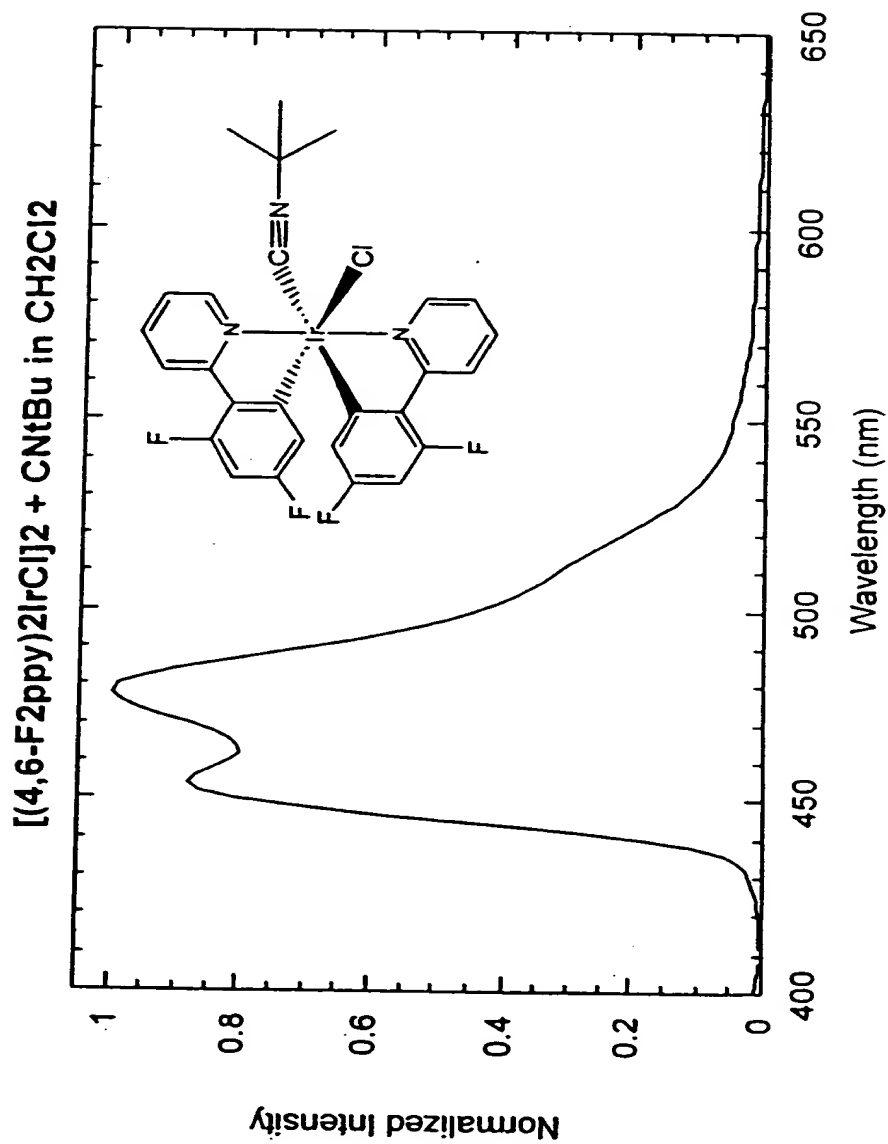


Figure 8d

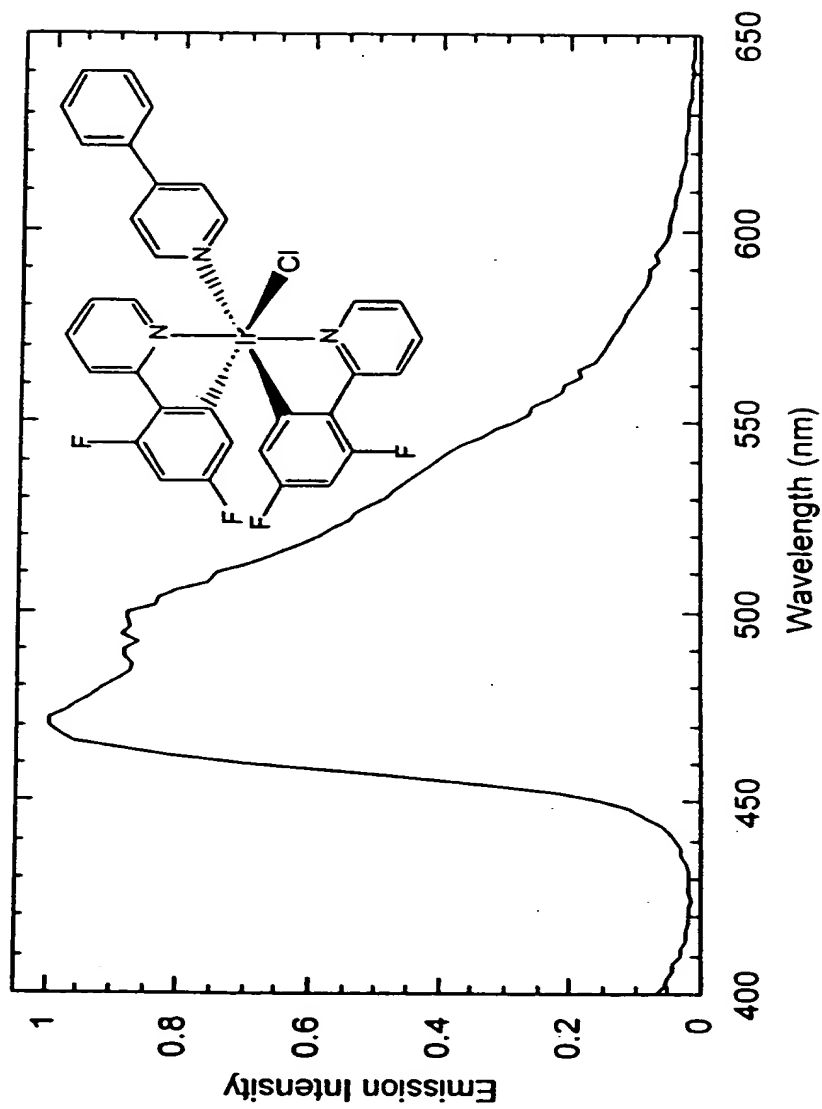


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Figure 7a



[Ir(4,6-F₂ppy)₂Cl]₂ + 4-Phpyr in CH₂Cl₂



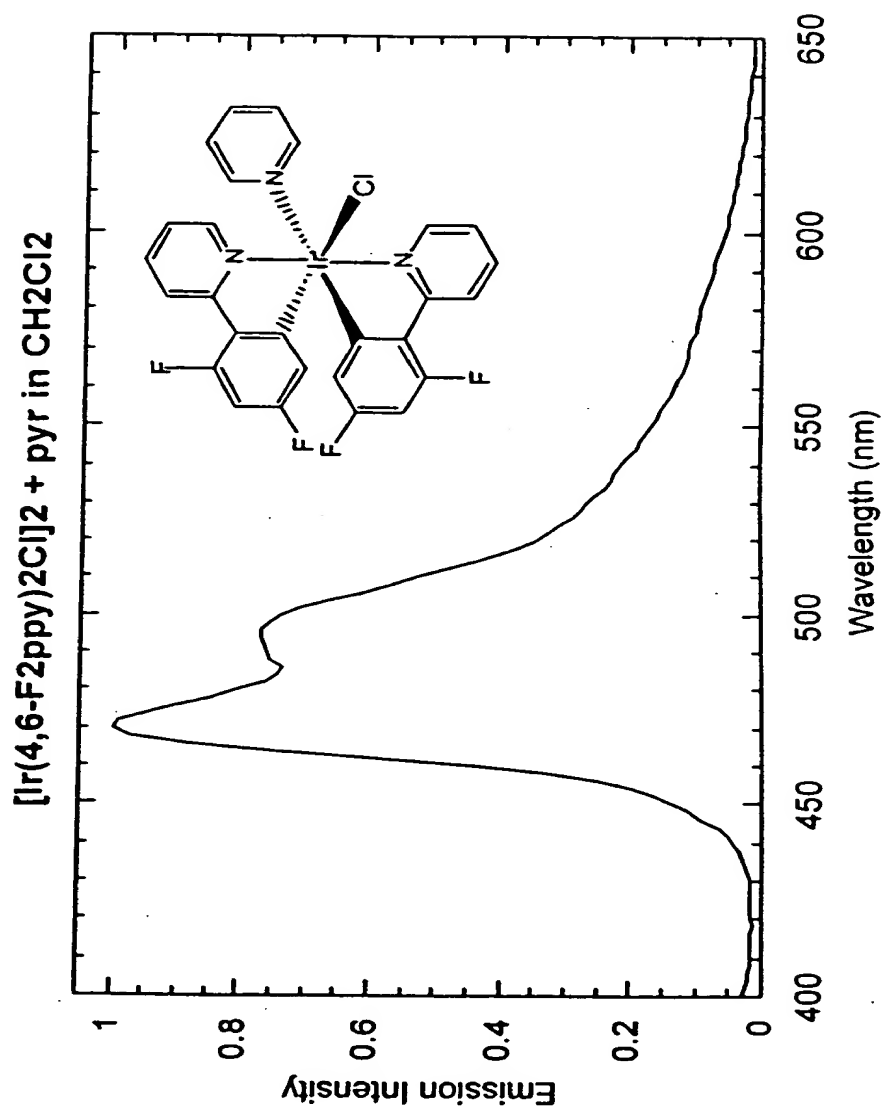
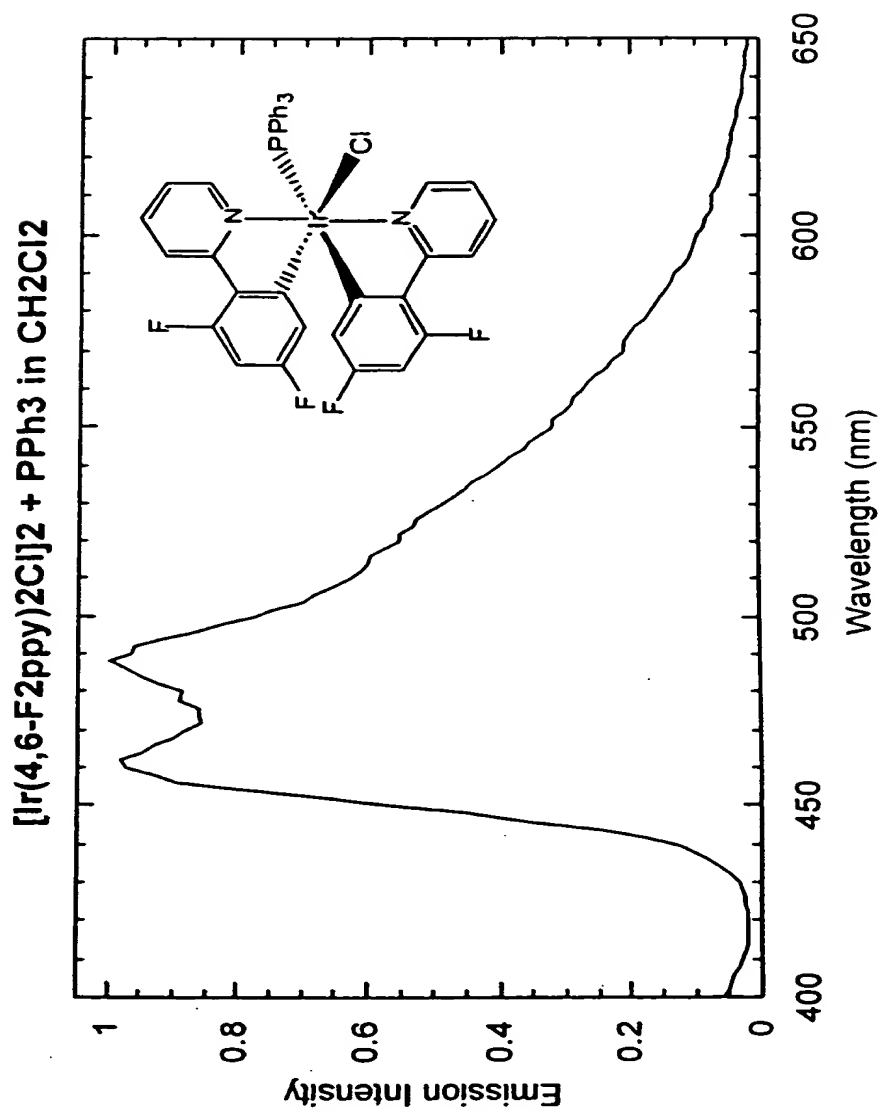


Figure 7c

Figure 7d



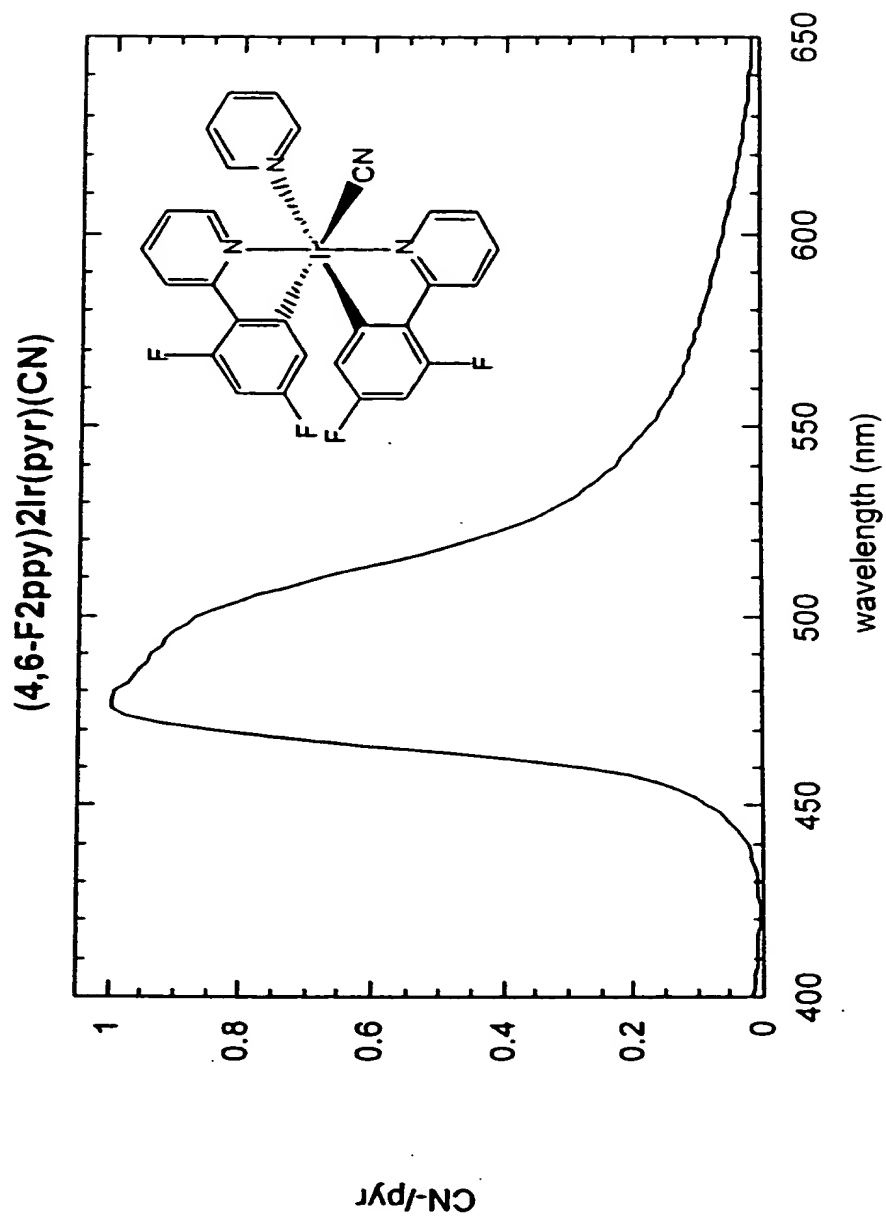


Figure 7f

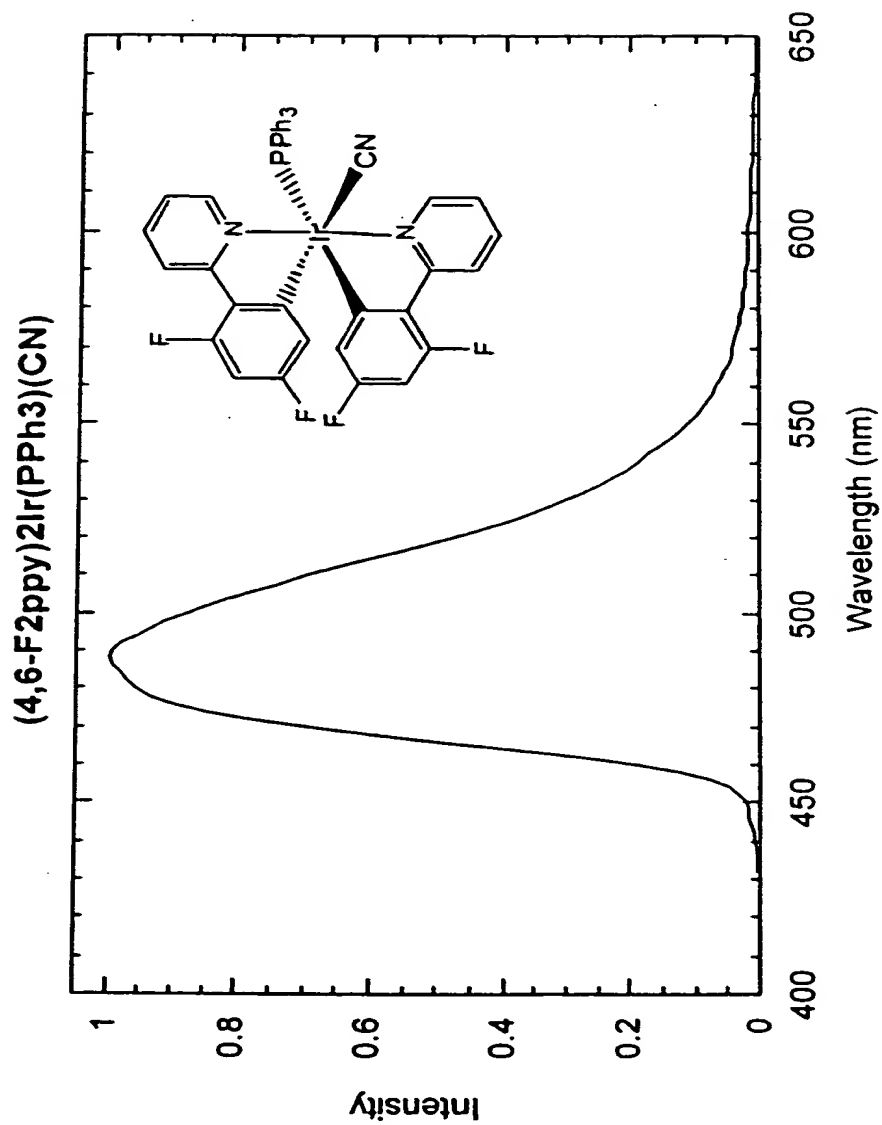


Figure 7g

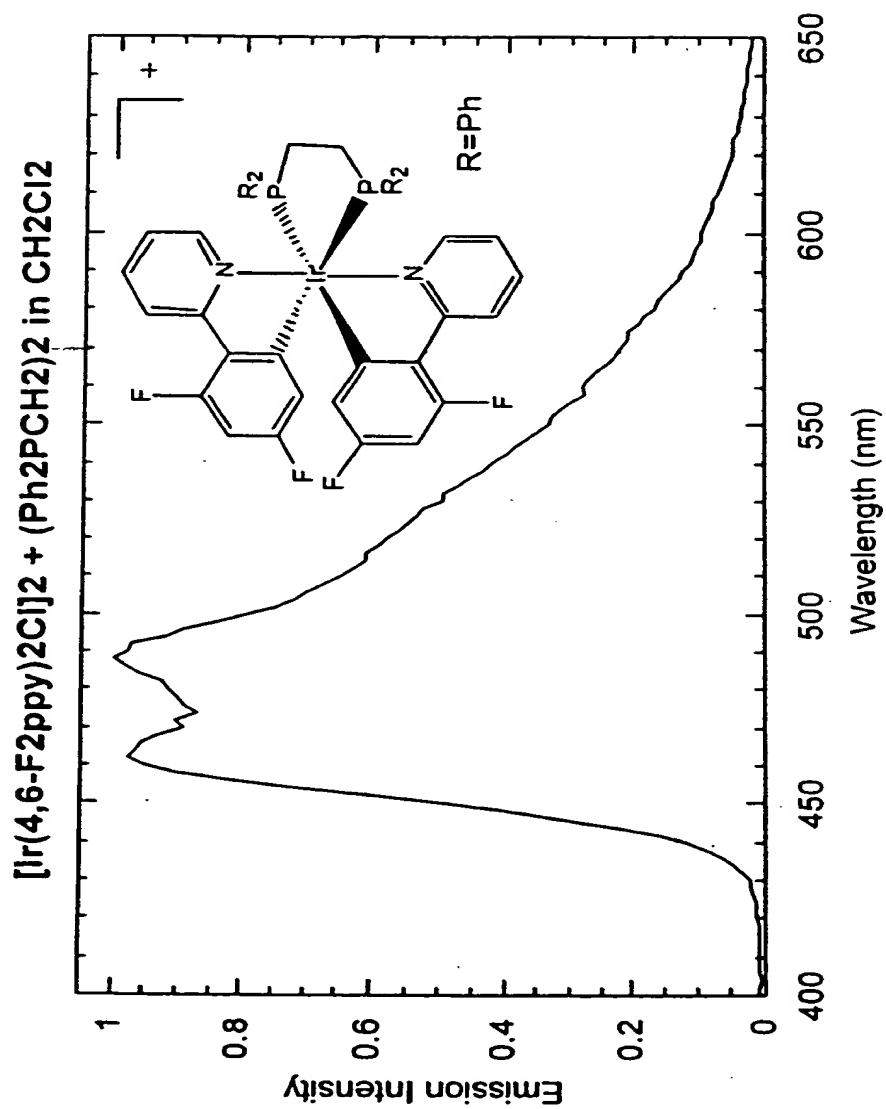
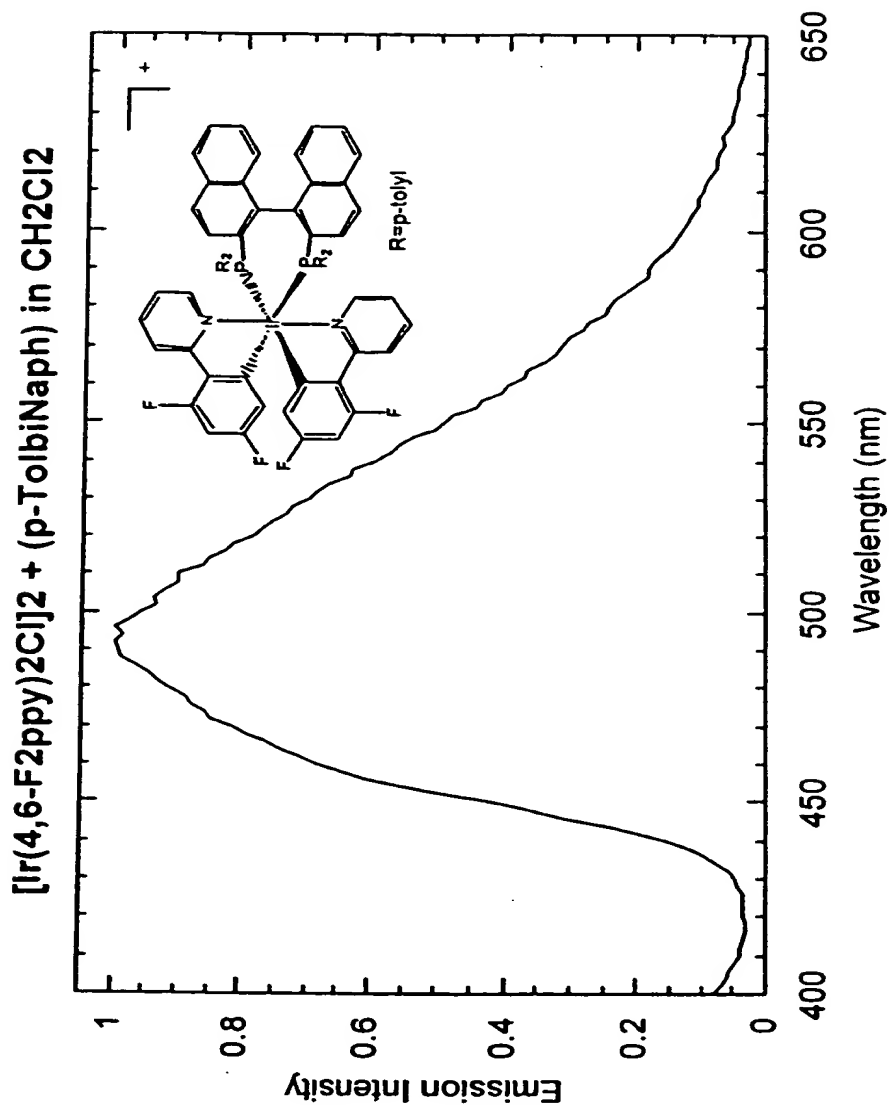
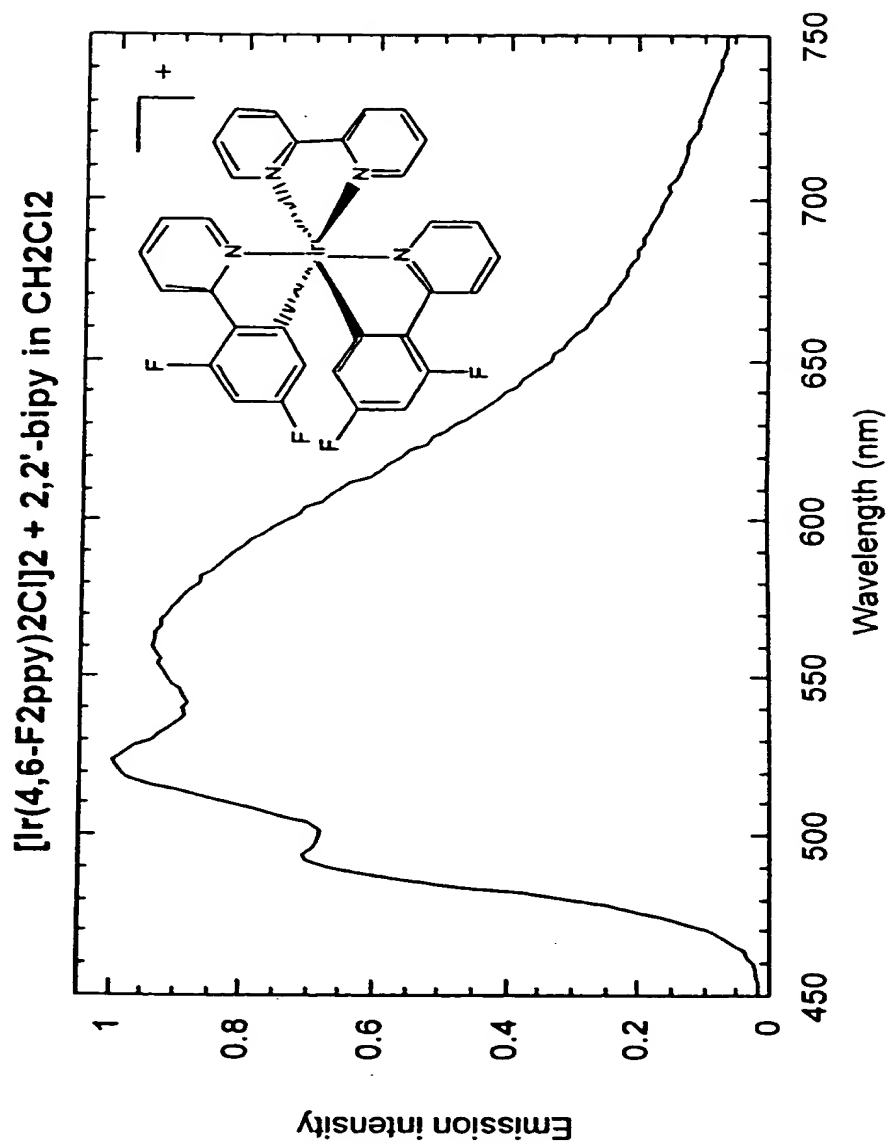


Figure 7h



202010-25134666

Figure 7i



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Figure 7j

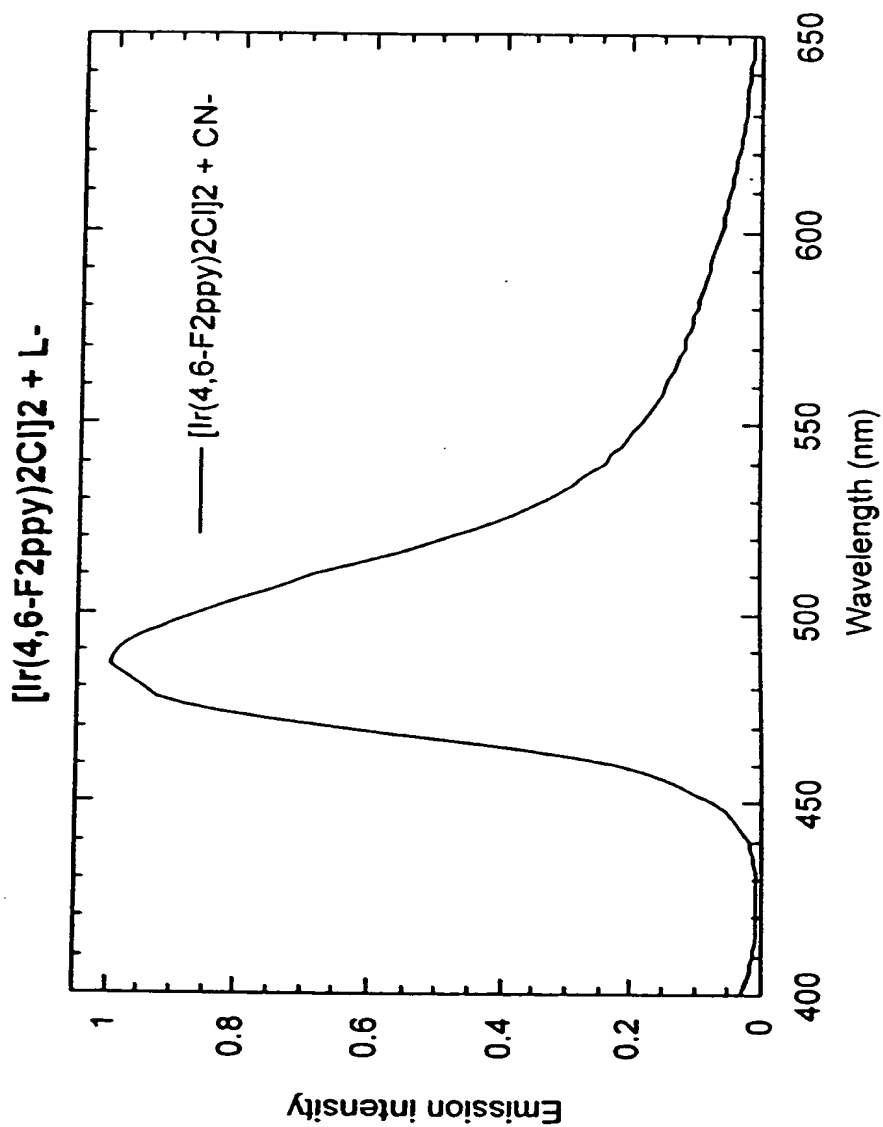


Figure 7k

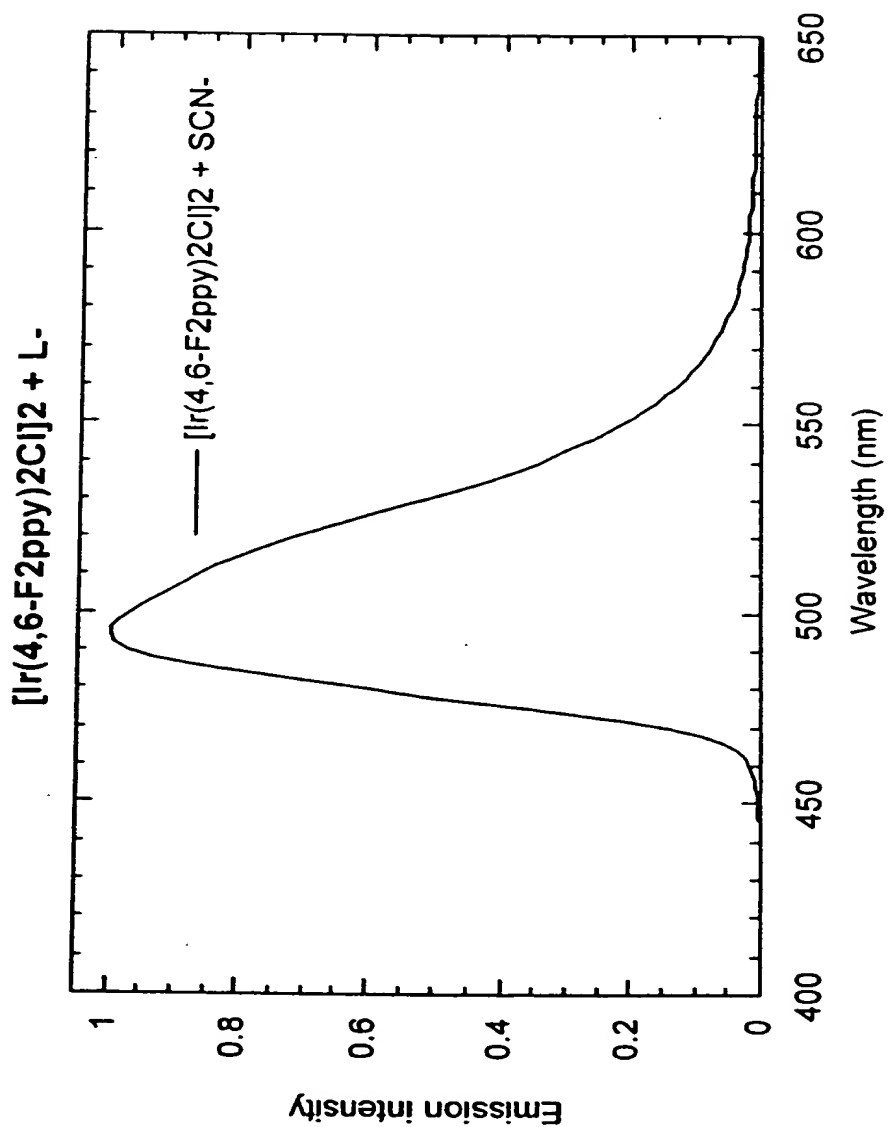


Figure 71

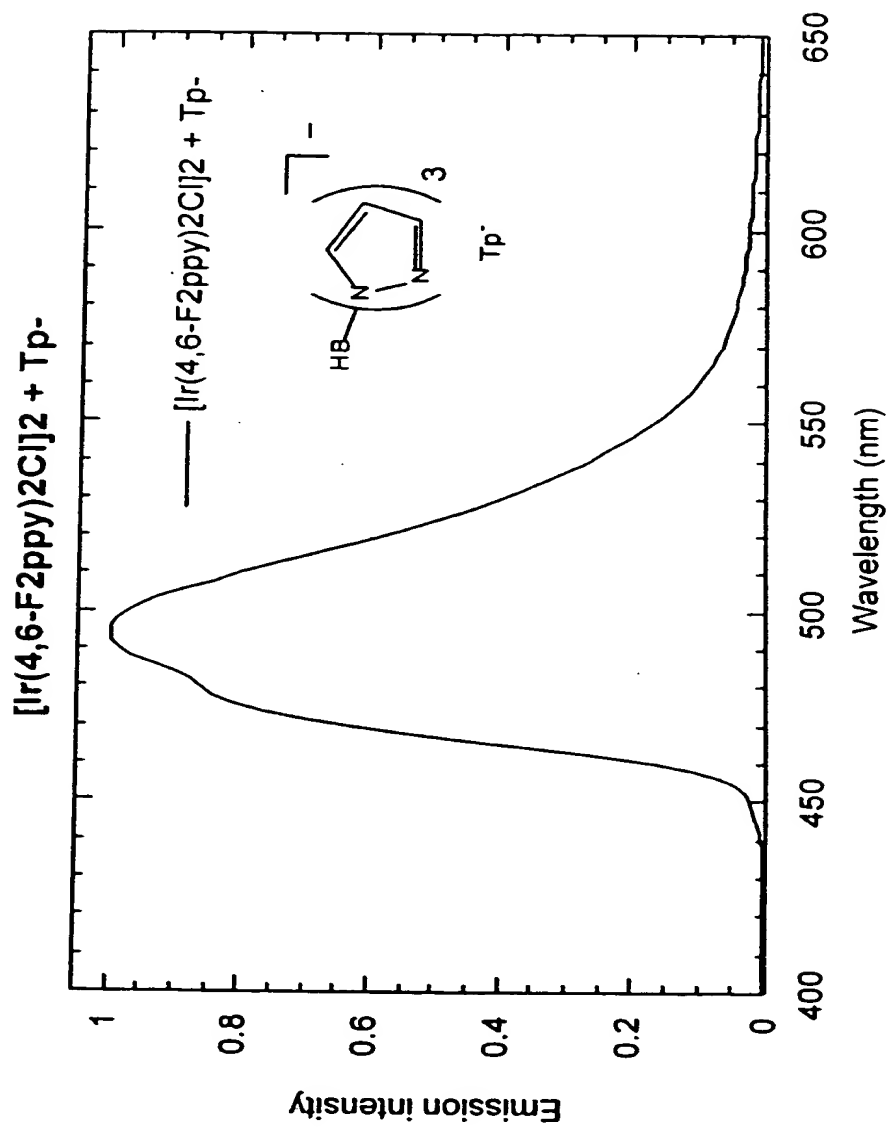
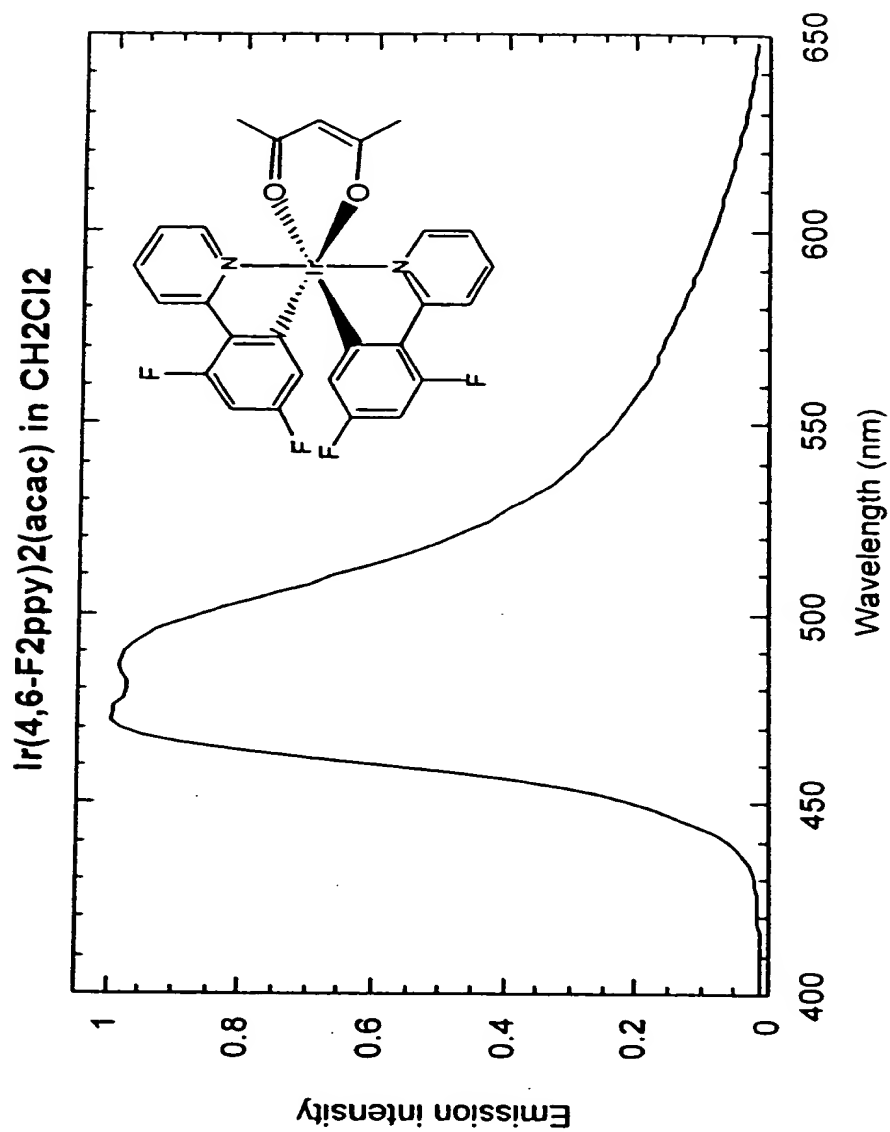


Figure 7m



20220323 16:55

Figure 7n

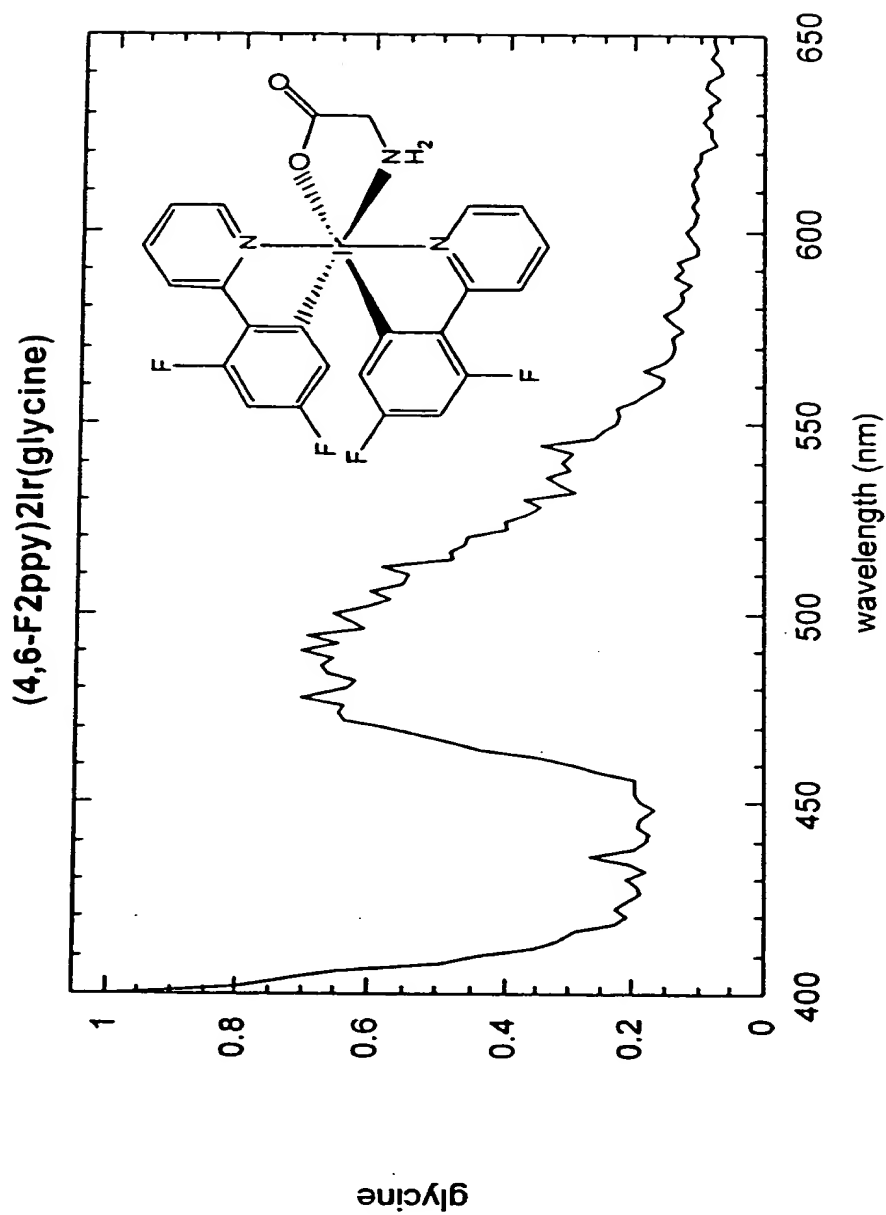
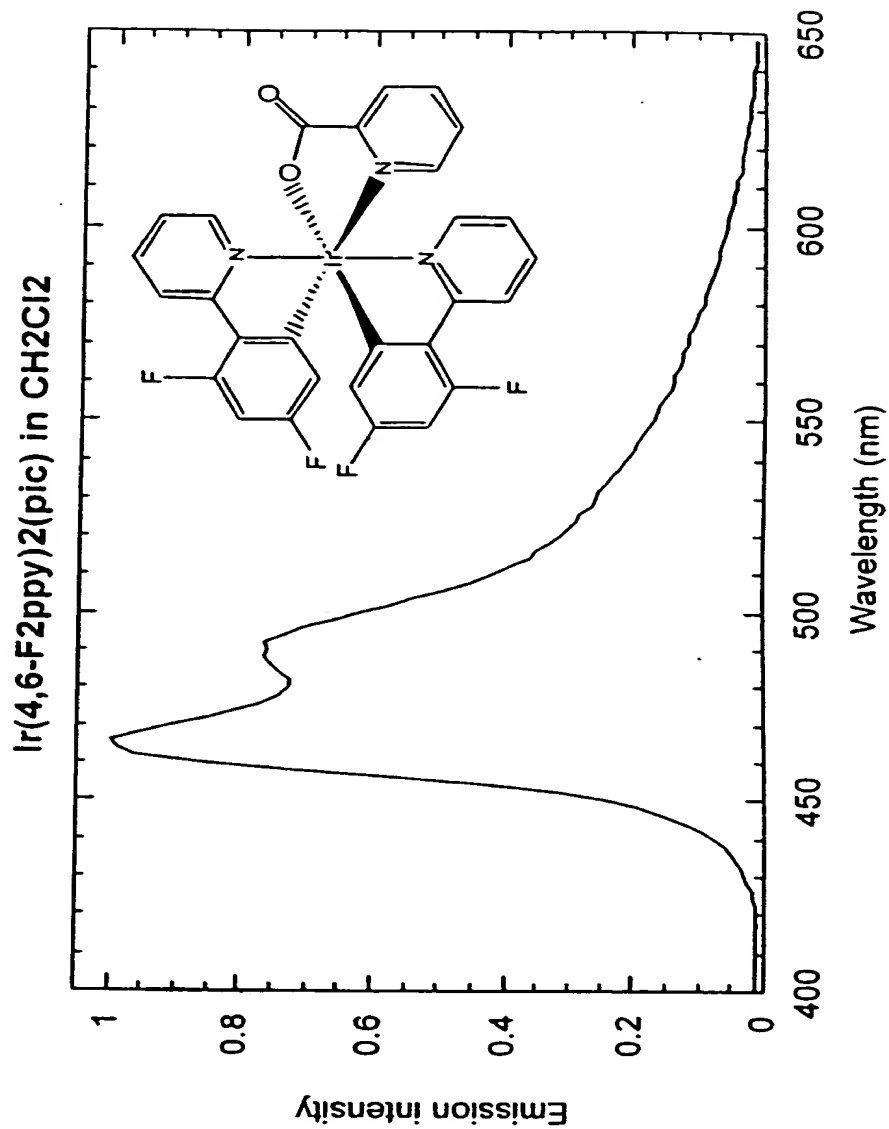
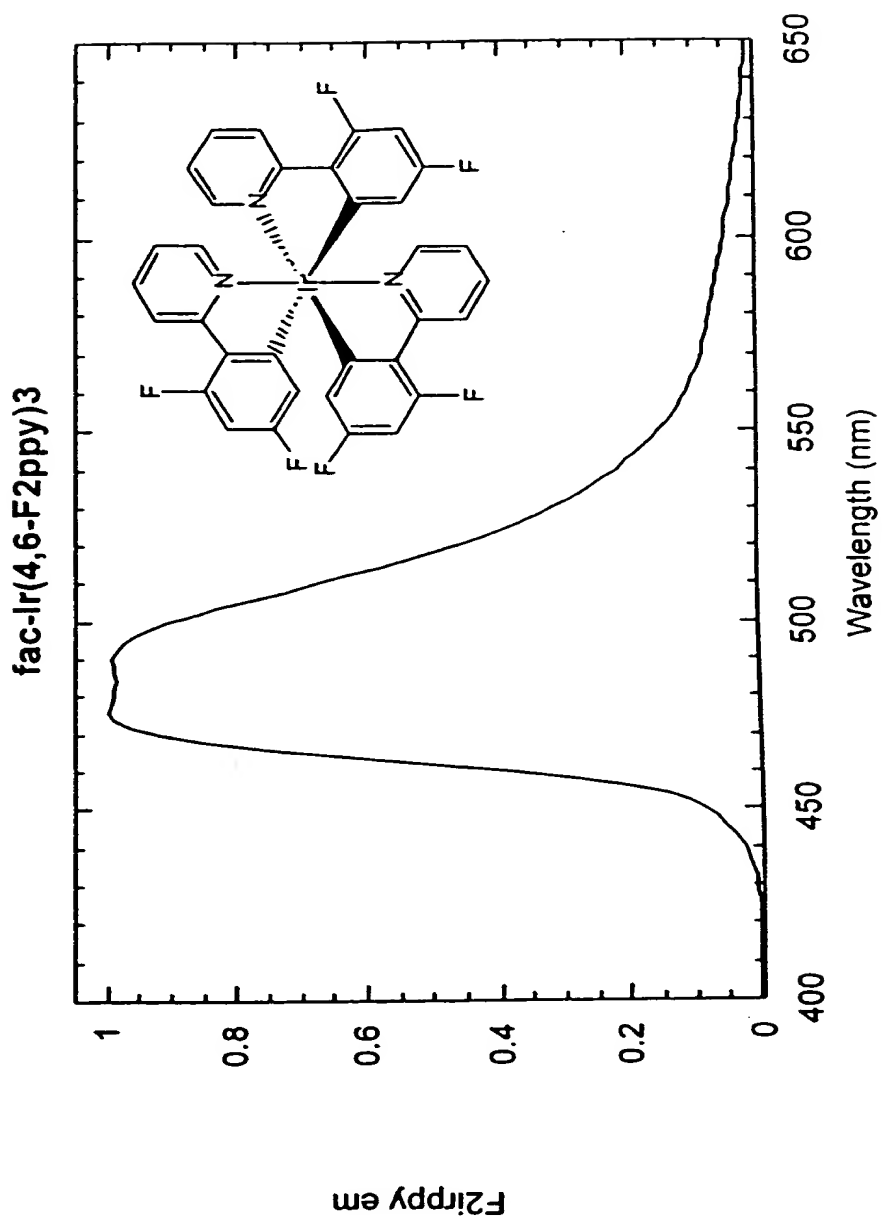


Figure 7o



20200403 55482660

Figure 7p



202403302660

Figure 79

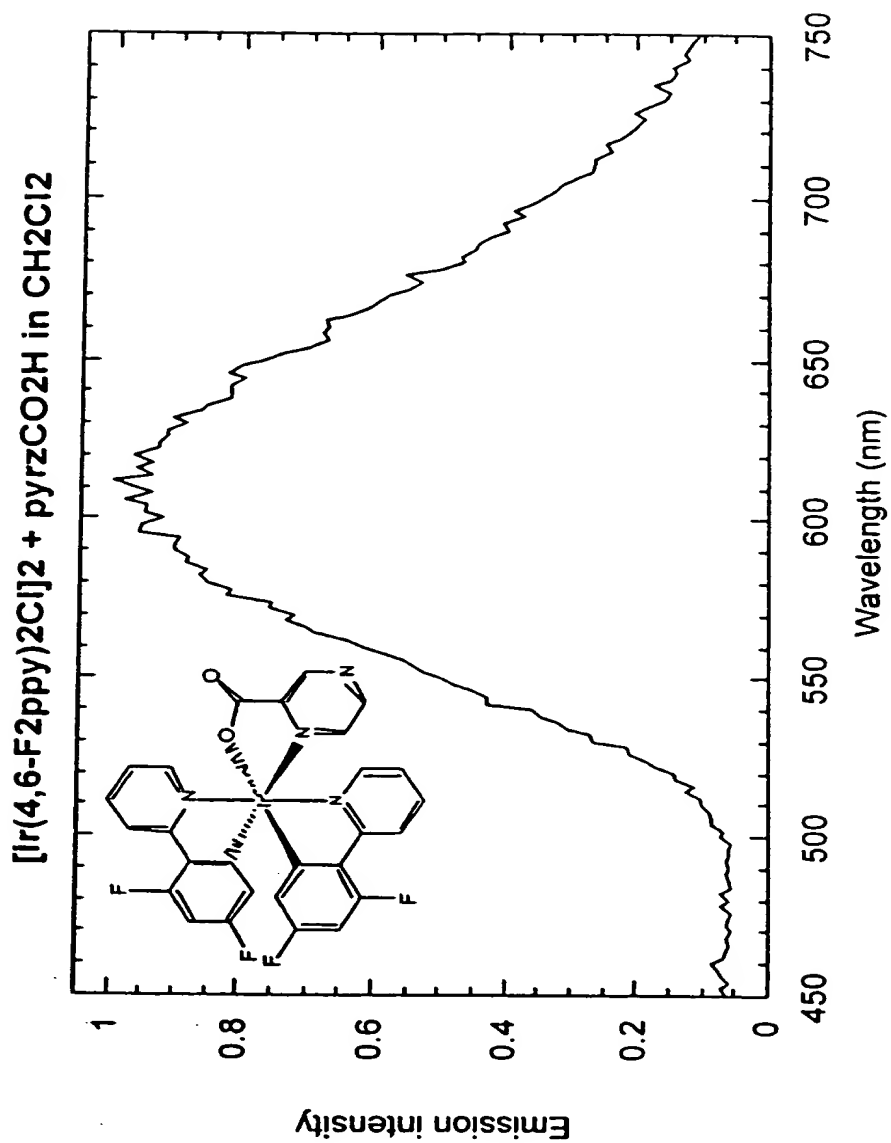


Figure 7r

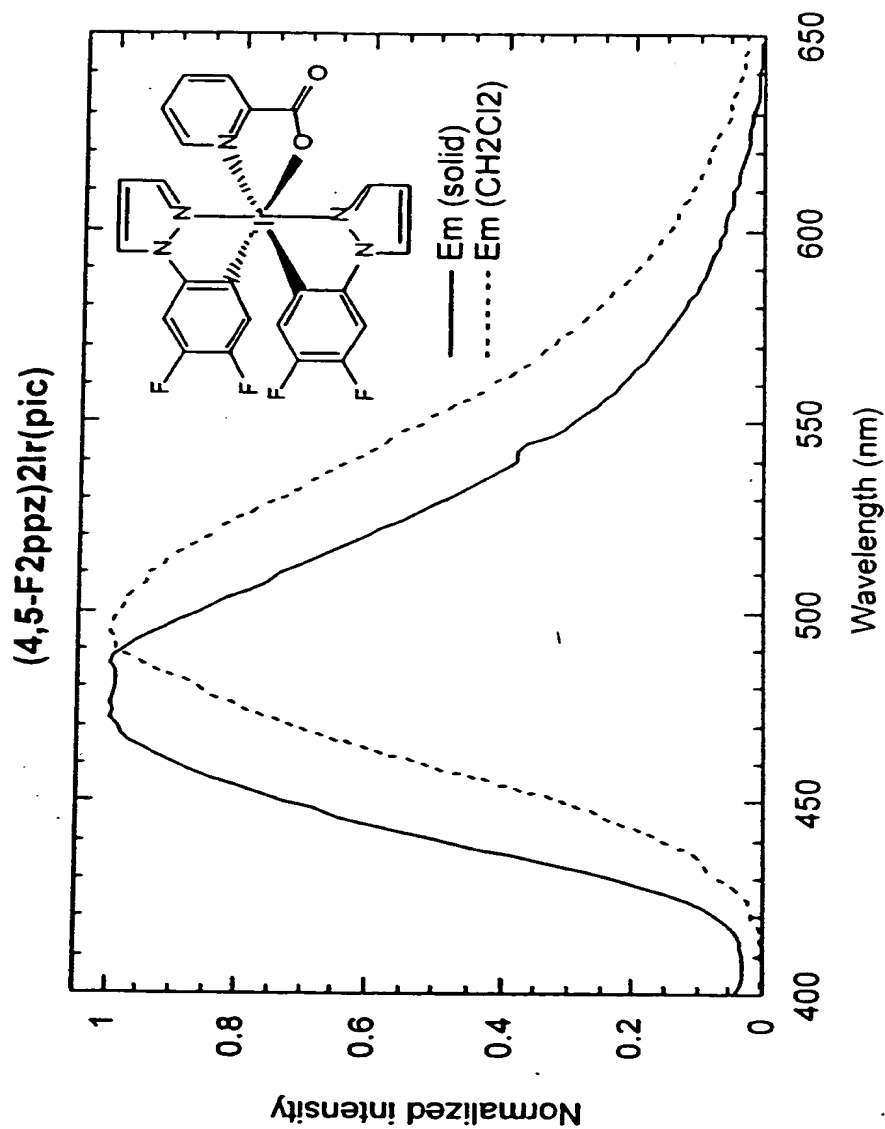
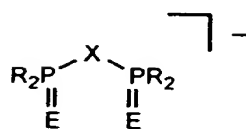
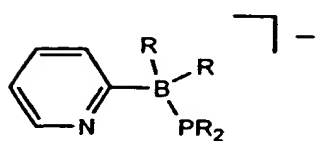
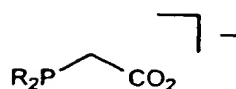
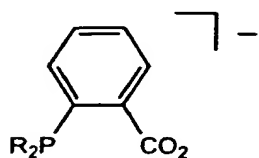
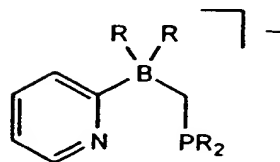
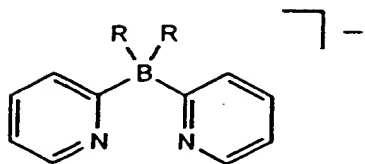
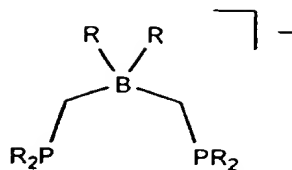
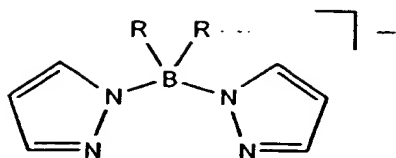
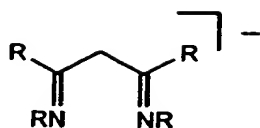


Figure 8a



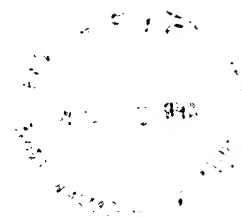
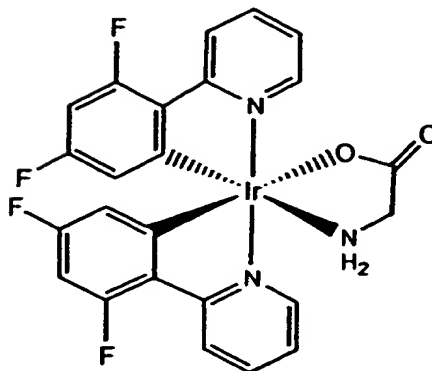
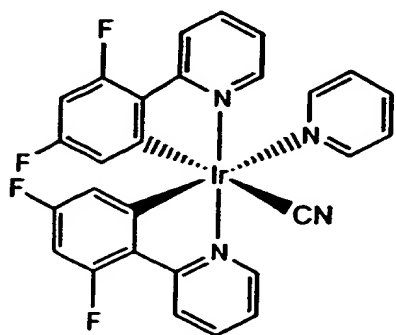
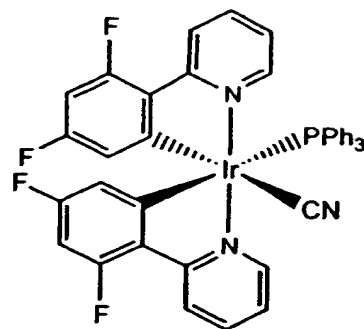
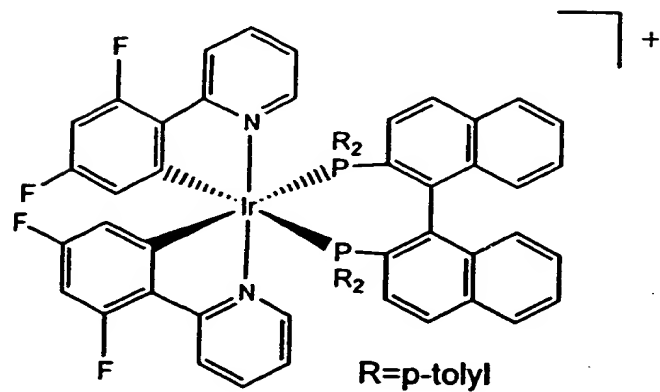
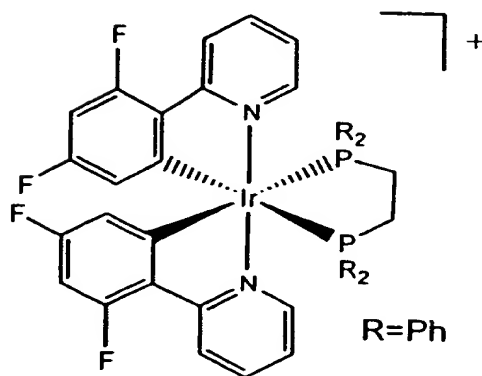
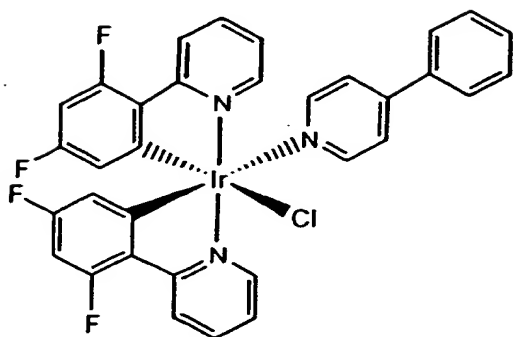
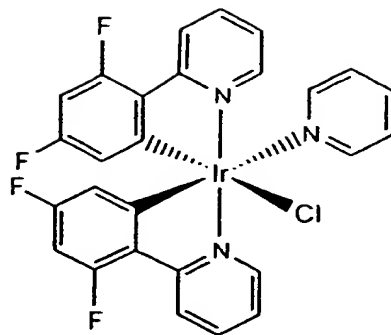
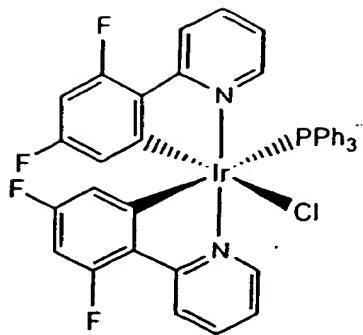
X=CH, N
E=O, S, Se, Te



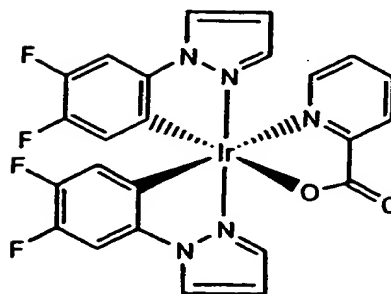
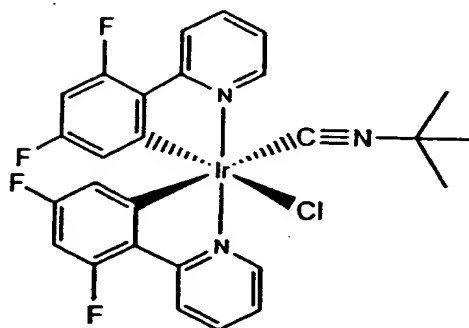
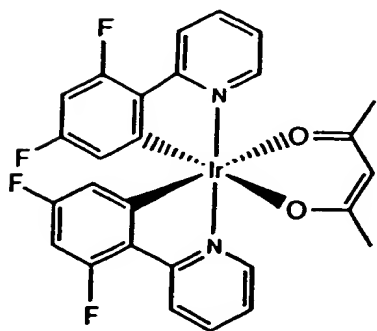
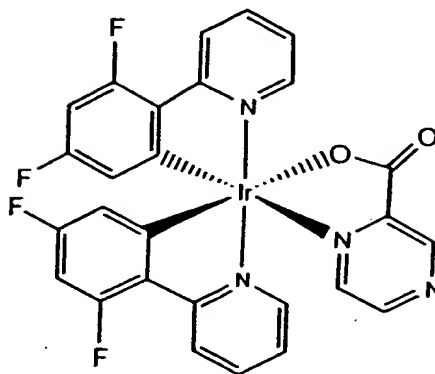
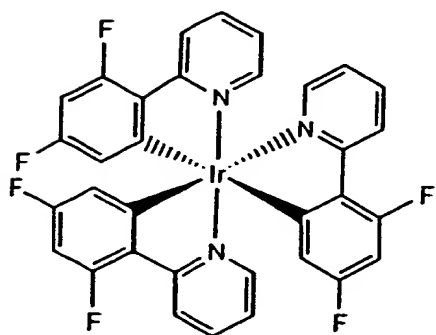
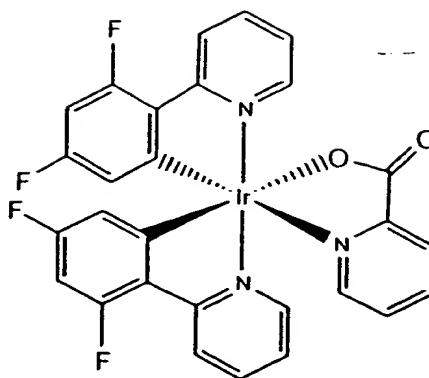
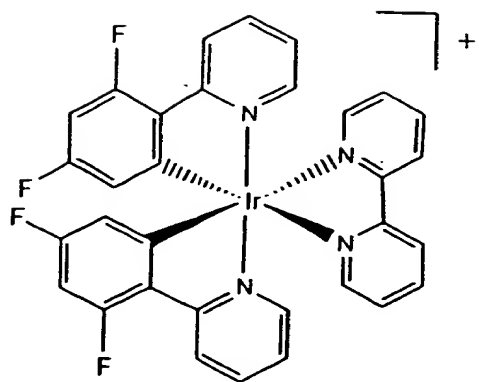
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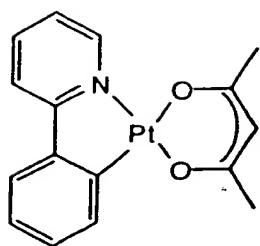


Figure 2b



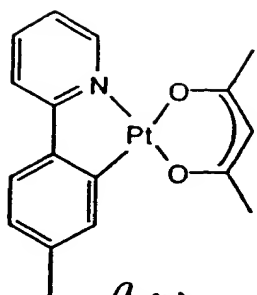
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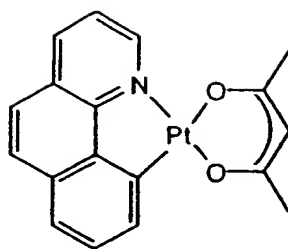
9(a)

(ppy)Pt(acac)



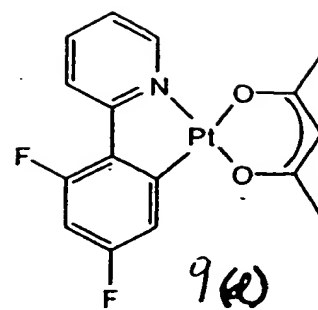
9(b)

(tpy)Pt(acac)



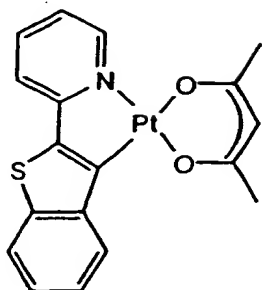
9(c)

(bzq)Pt(acac)



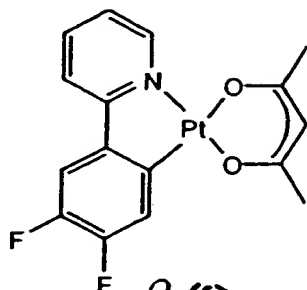
9(d)

(4,6-F₂ppy)Pt(acac)



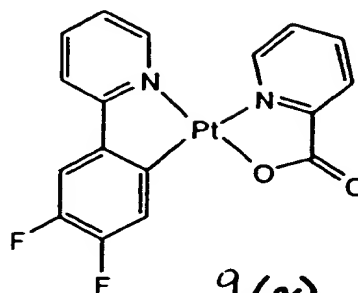
9(e)

(btp)Pt(acac)



9(f)

(4,5-F₂ppy)Pt(acac)



9(g)

(4,5-F₂ppy)Pt(pico)

Figures 9(a) - 9(g)

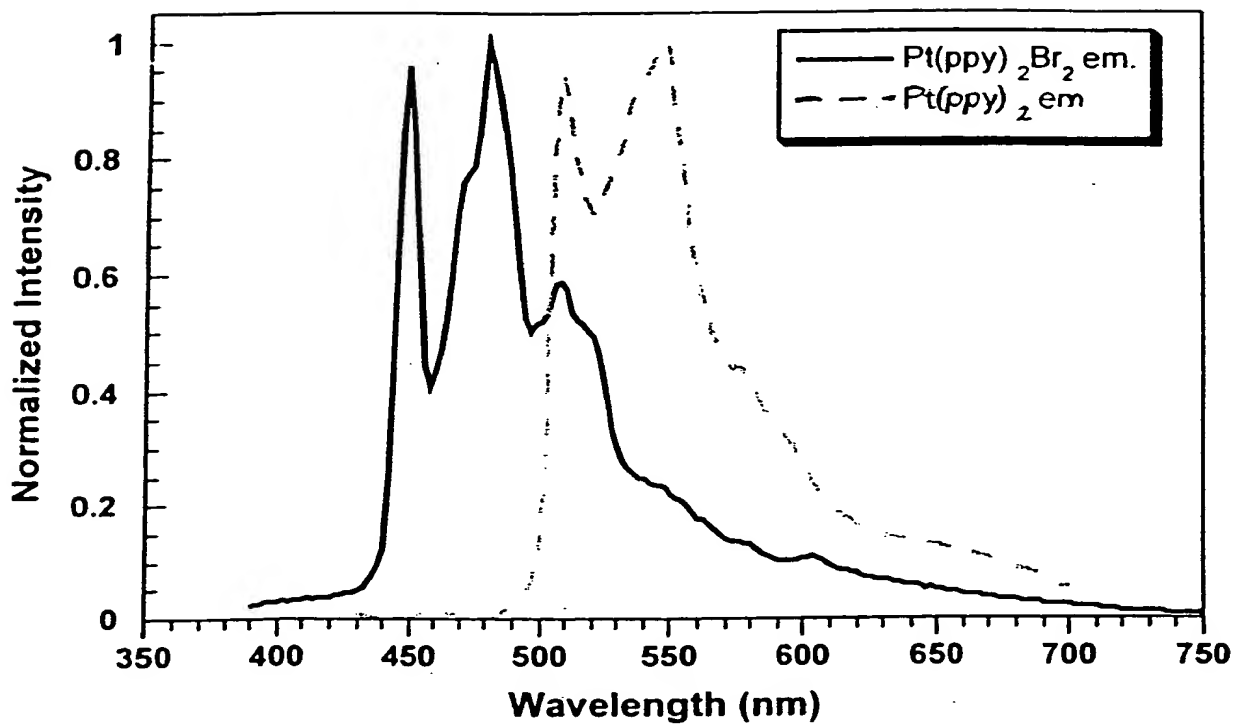


Figure 10

202405182000

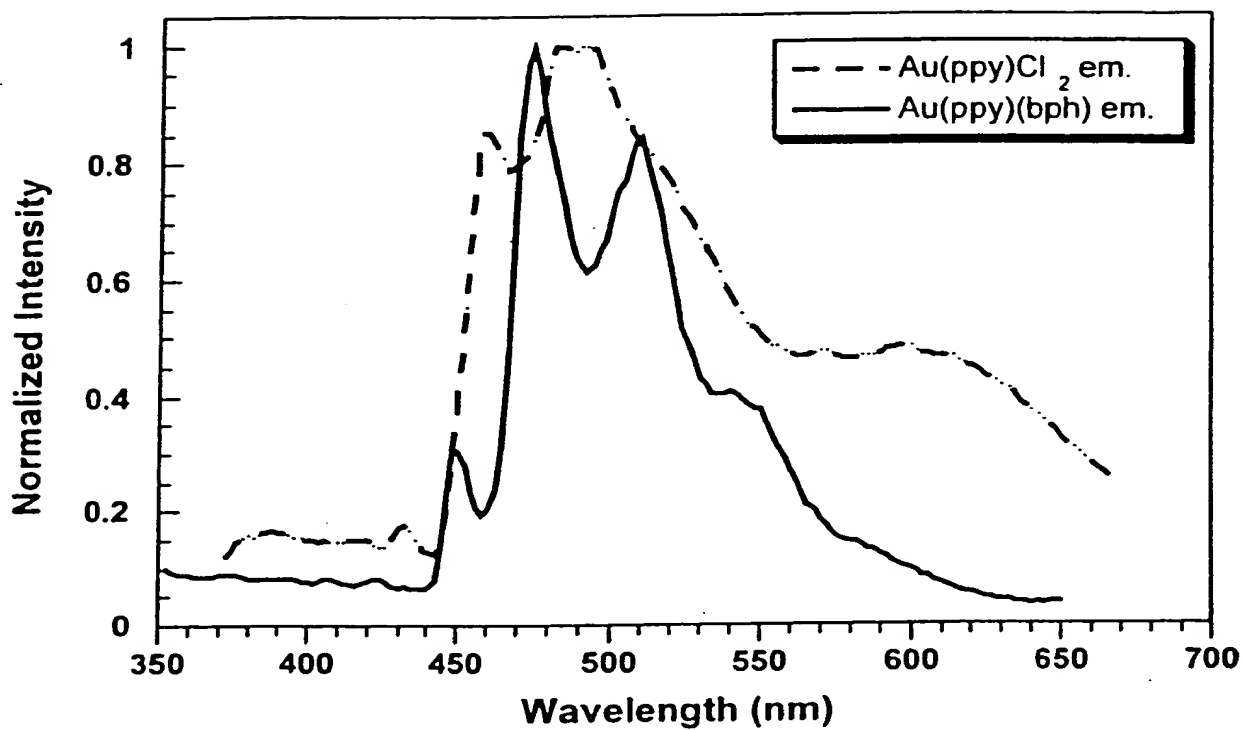


Figure 11



202010-55103660

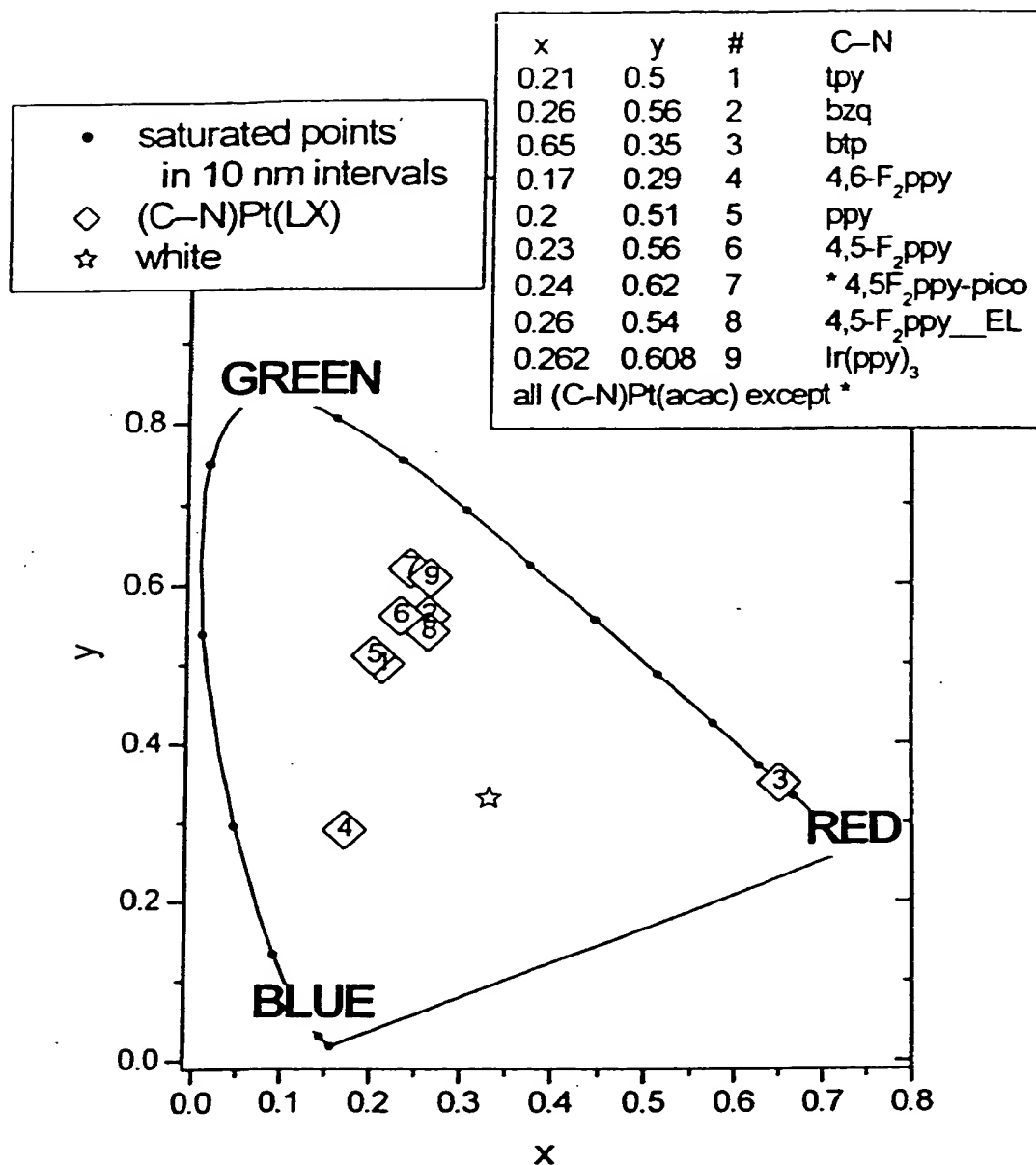


Figure 12

20250309 14:00:00

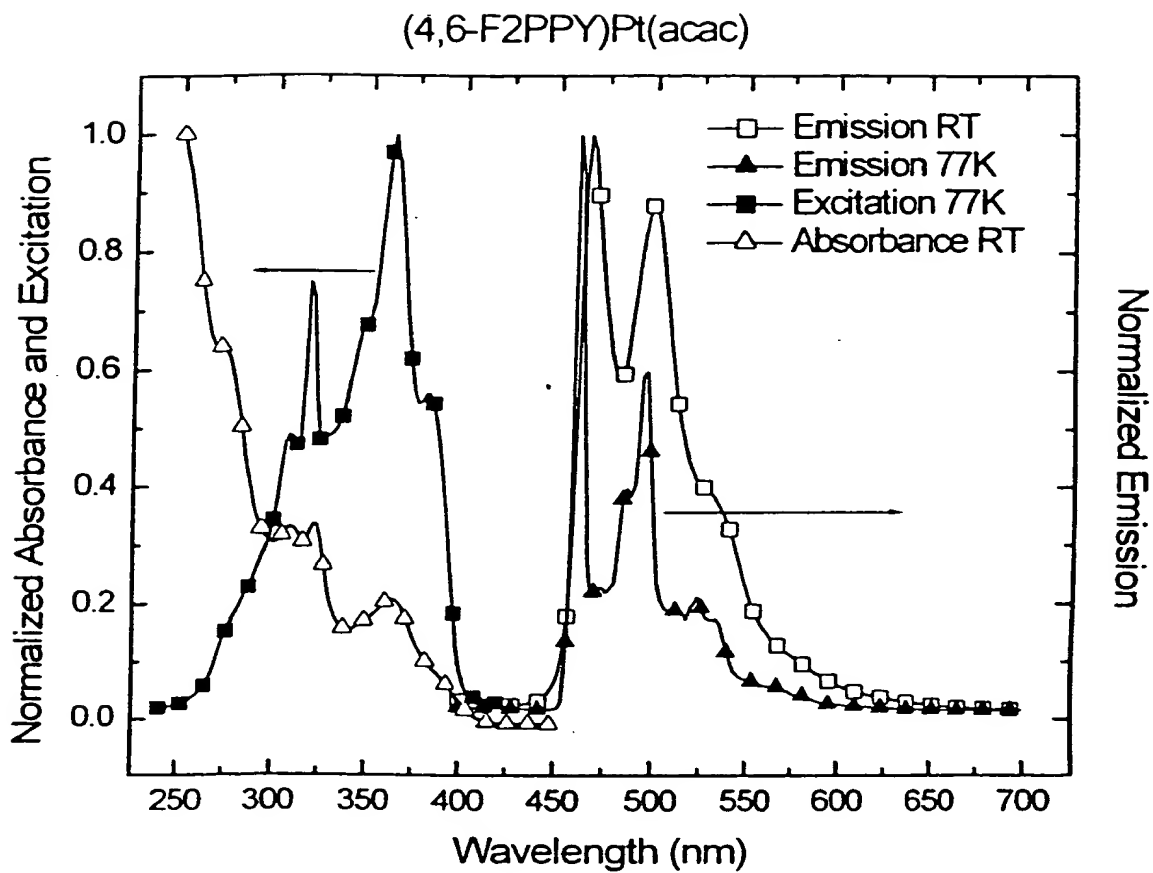


Figure 13

20250309 14:00:00

2025/03/20 14:00

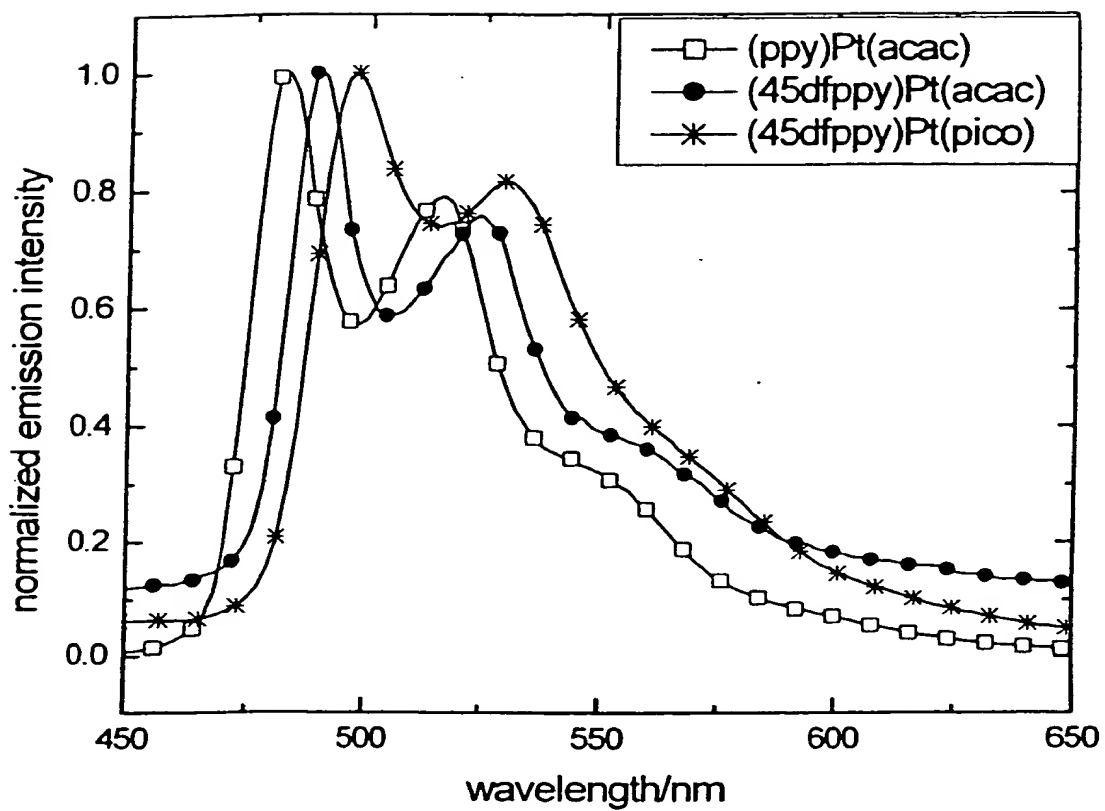


Figure 14



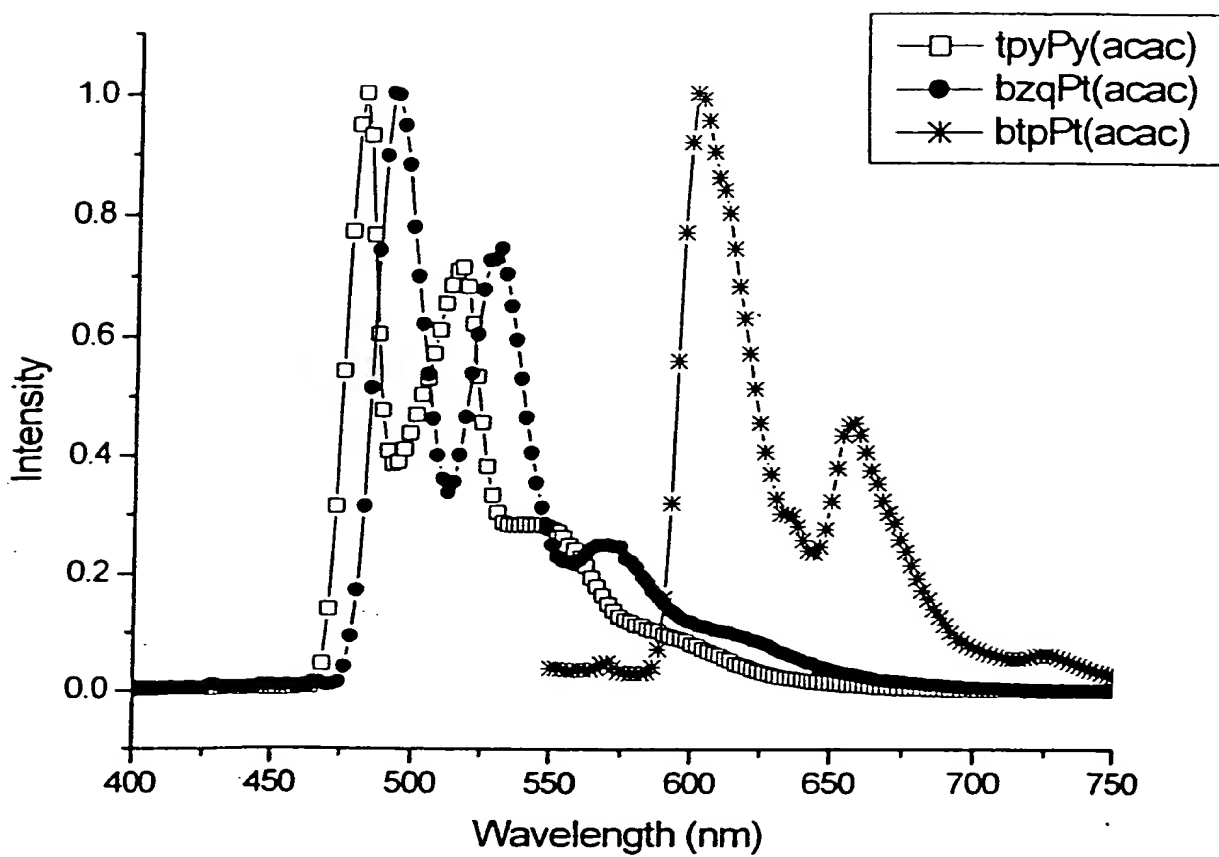


Figure 15

2020-05-18 16:00

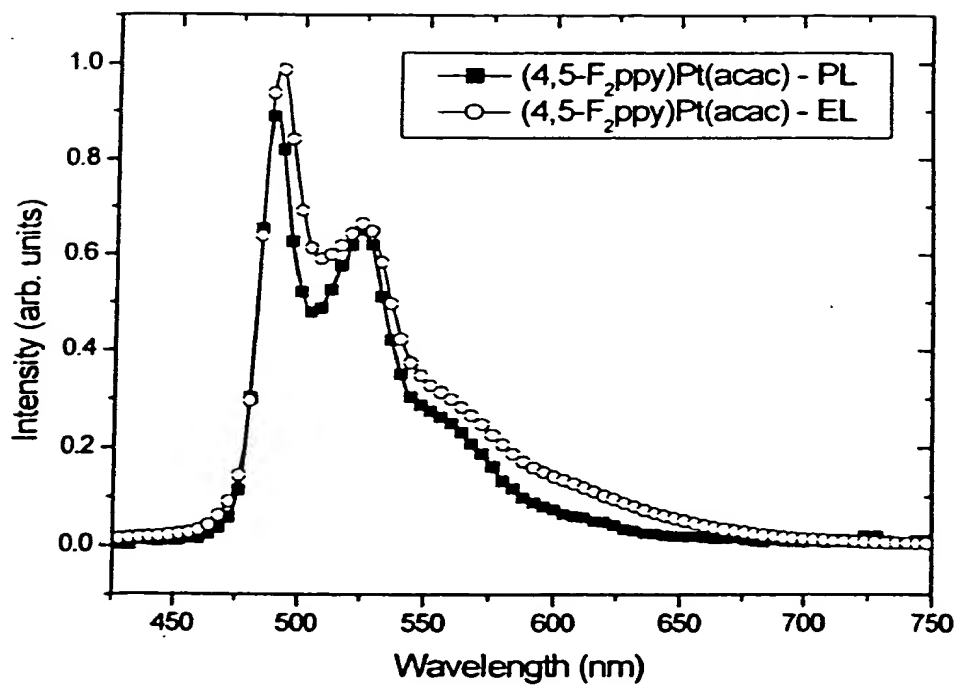
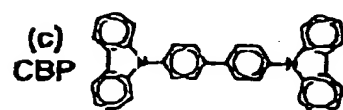
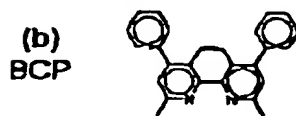
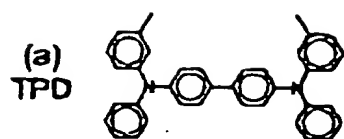


Figure 16

FIG. 17

PRB 62

HOSTS



GUESTS

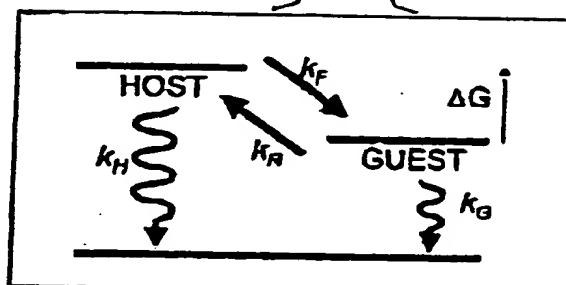
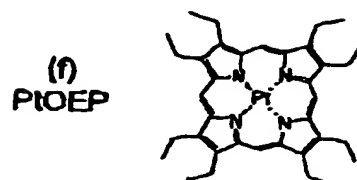
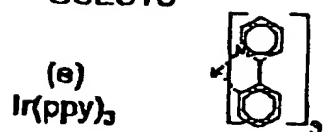


FIG. 18

PRB 62

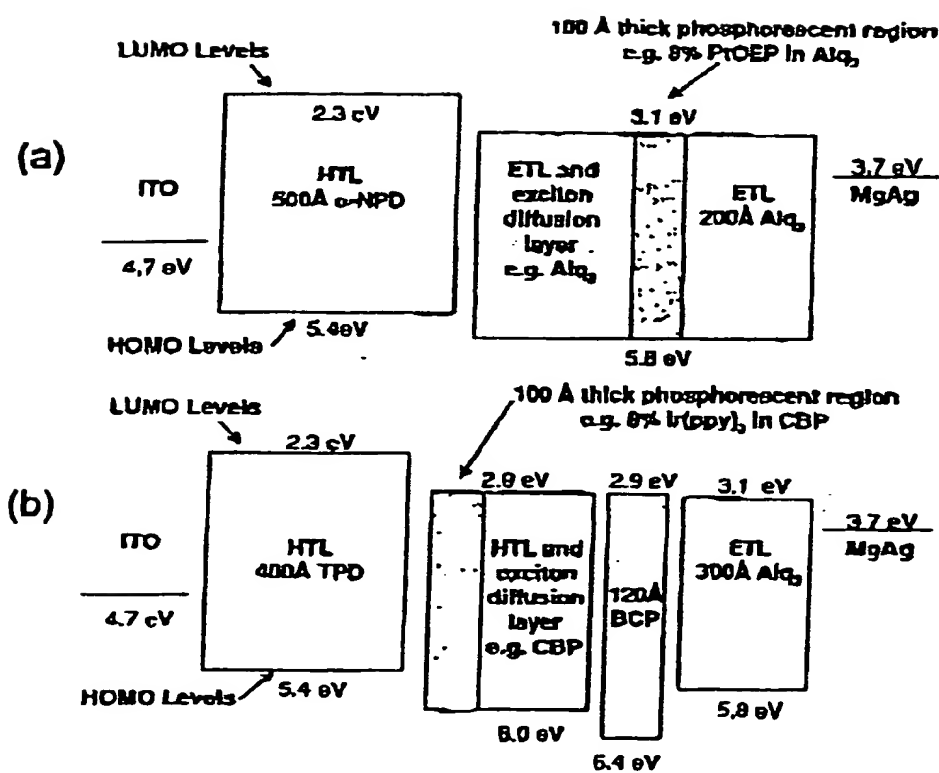


FIG. 19

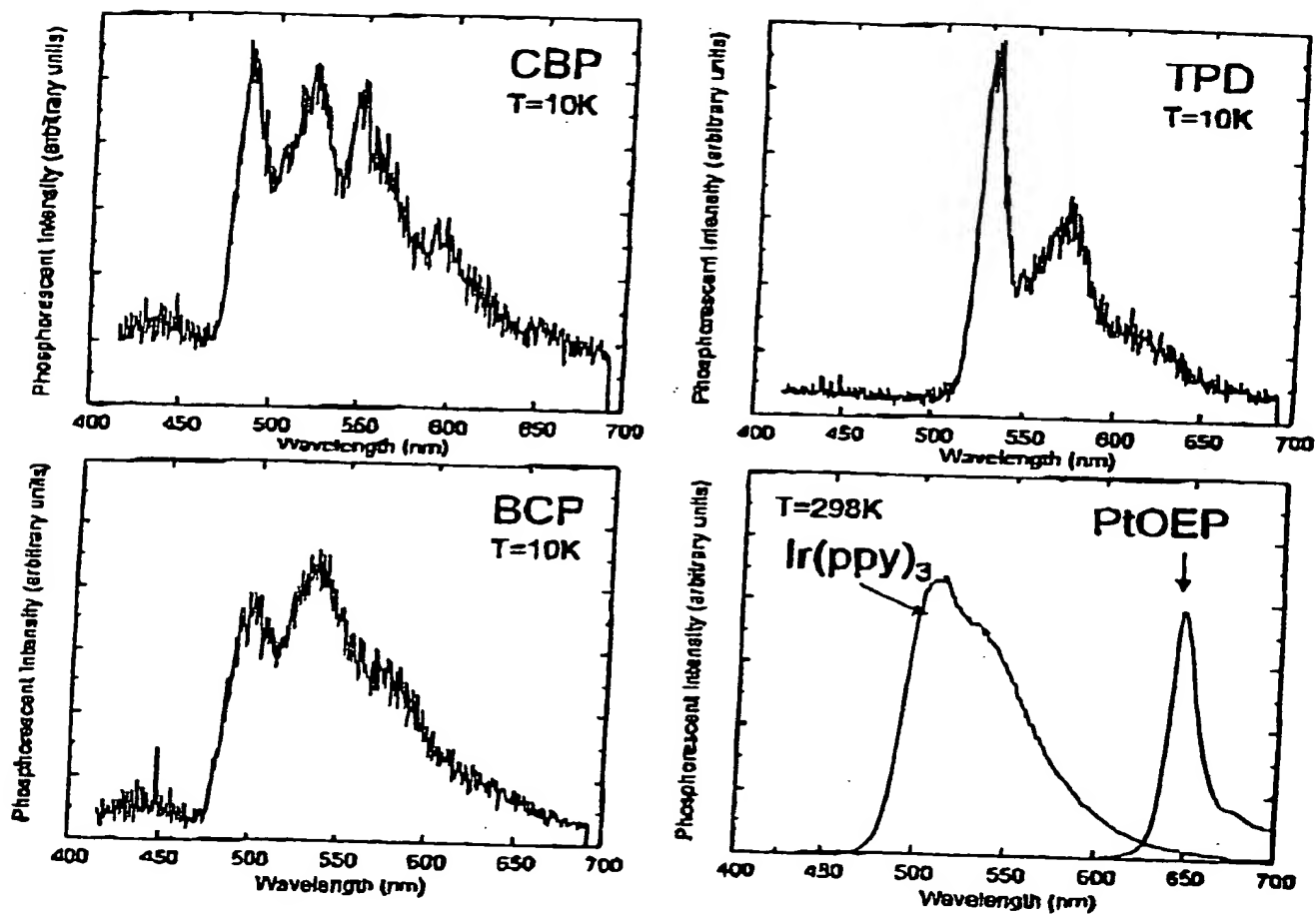


FIG. 20

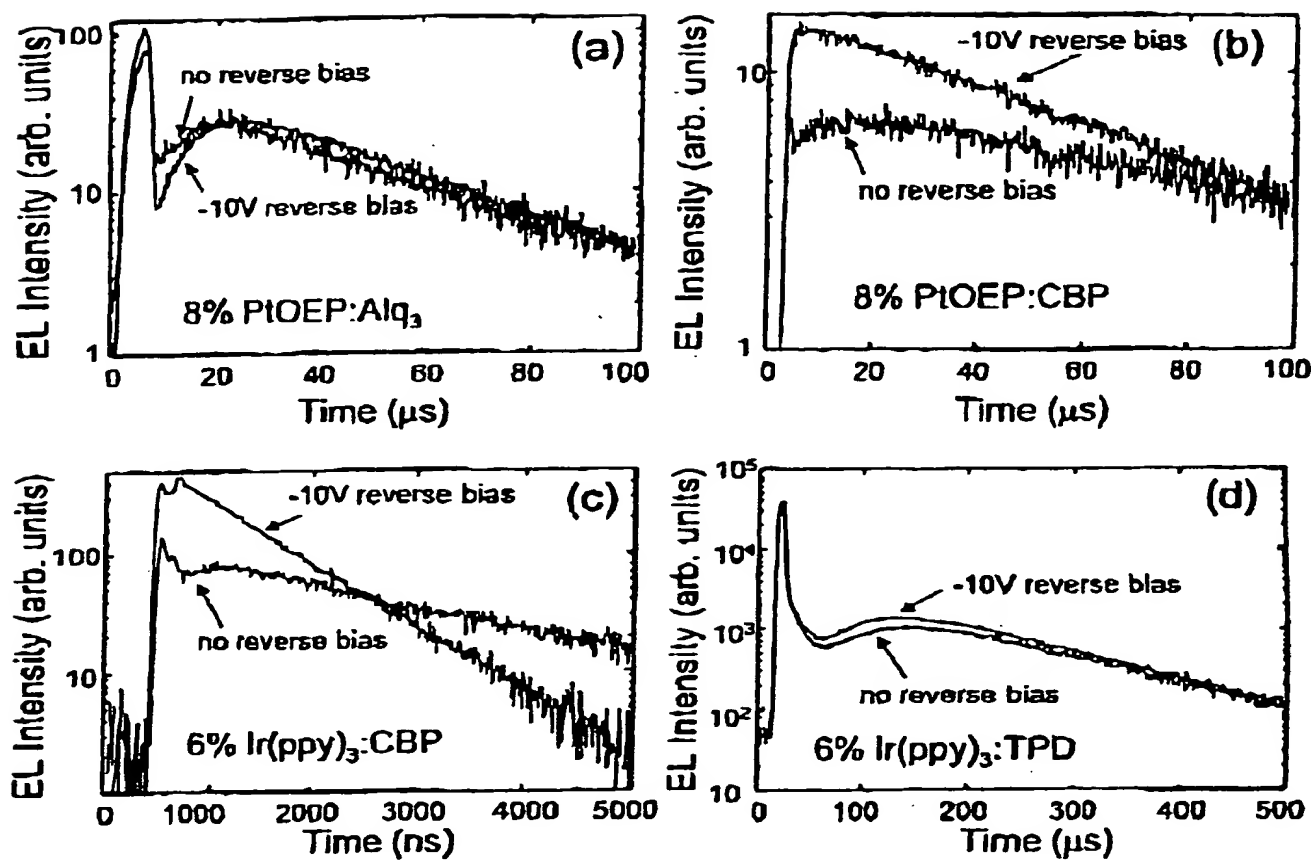


FIG. 21

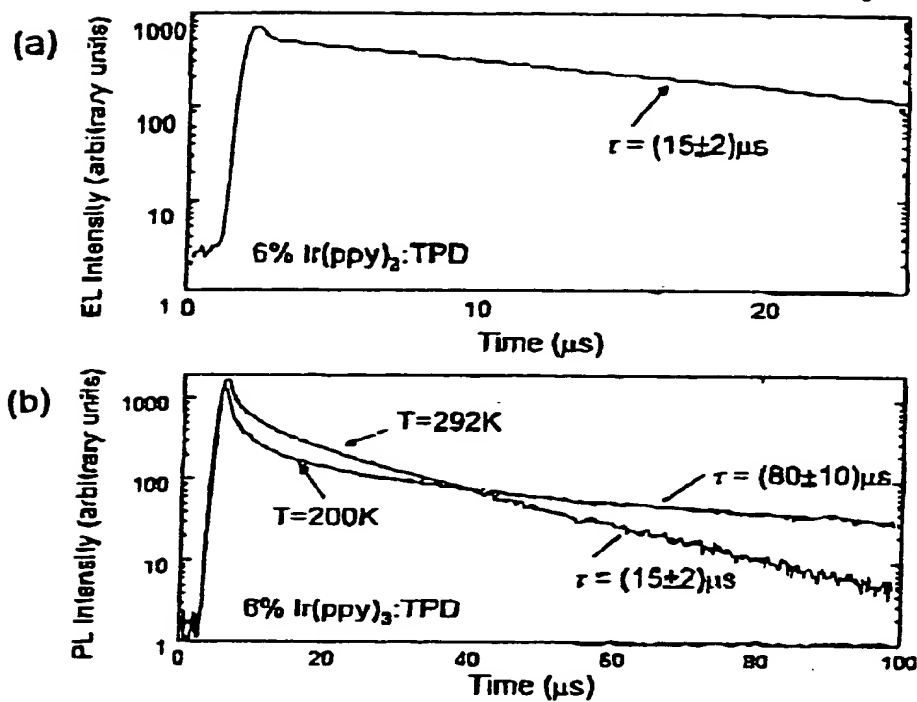


FIG. 22

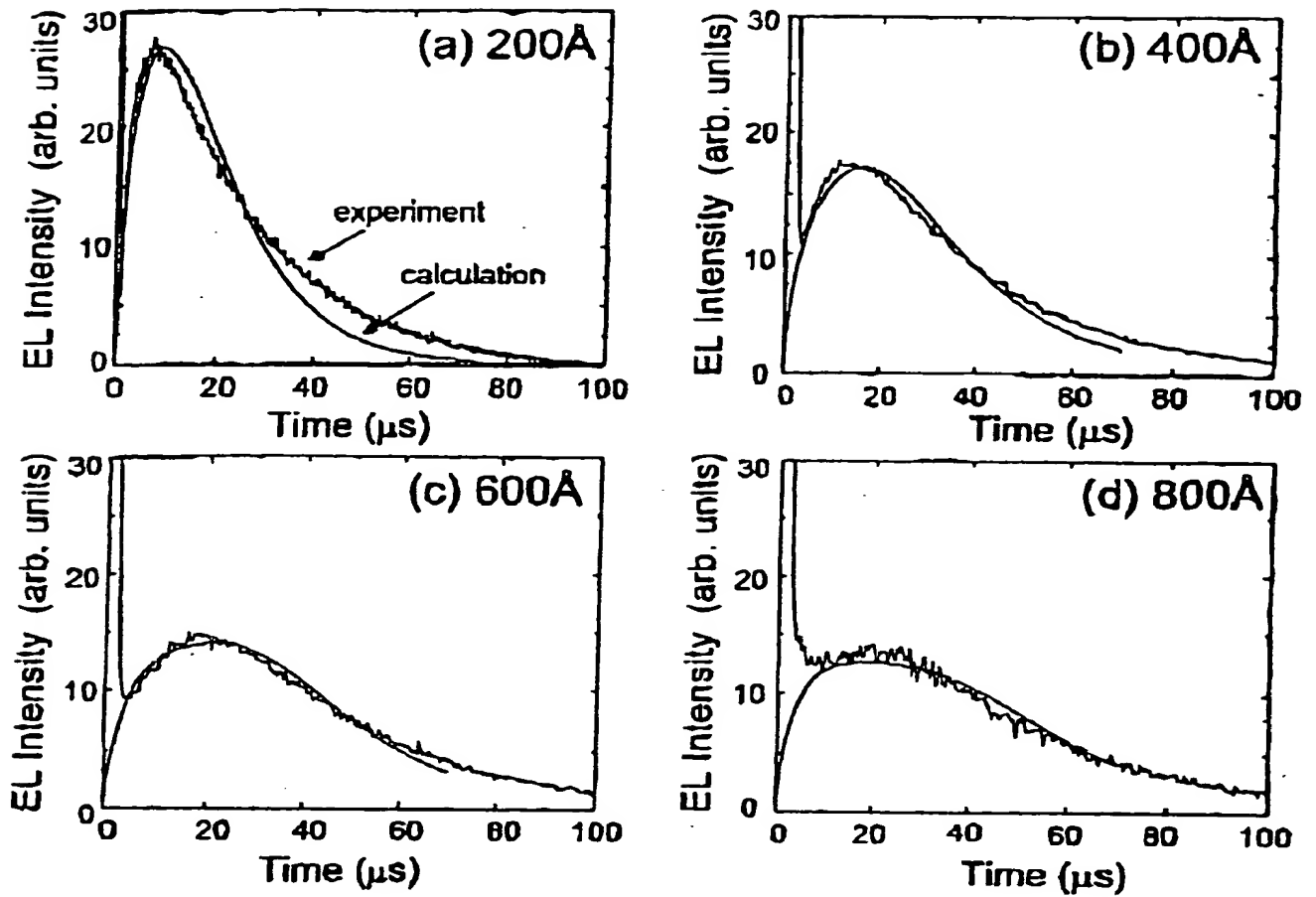


Fig. 23

